STR-D365

SERVICE MANUAL

US Model
Canadian Model

SPECIFICATIONS

Audio power specifications

POWER OUTPUT AND TOTAL HARMONIC DISTORTION

With 8-ohm load, both channels driven, from 40 - 20,000 Hz, rated 100 watts per channel minimum RMS power, with no more than 0.8 % total harmonic distortion from 250 milliwatts to rated output. (USA model only)

Amplifier section

Dynamic power output	8 ohms: 150 W + 150 W 4 ohms: 210 W + 210 W
Harmonic distortion at rated output	Less than 0.8 %
Frequency response	PHONO: RIAA equalization curve ±0.5 dB CD, TAPE/MD, VIDEO: 10 Hz - 50 kHz ±1 dB

Inputs

	Sensitivity	Impedance	S/N (weighting network, input level)
PHONO (MM)	2.5 mV	50 kilohms	74 dB 72 dB* (A, 2.5 mV)
CD	300 mV	50 kilohms	95 dB 80 dB* (A, 250 mV)
TAPE/ MD, TV/ LD, VIDEO	200 mV		

* '78 IHF

Outputs	REC OUT VIDEO (AUDIO) OUT: Voltage 250 mV, Impedance 10 kilohms PHONES: Accepts low and high impedance headphones
Muting	– 20 dB
BASS BOOST	+10 dB at 70 Hz
TONE	±8 dB at 100 Hz and 10 kHz

FM tuner section

Tuning range	87.5 - 108.0 MHz
Antenna terminals	75 ohms, unbalanced 300 ohms, unbalanced
Sensitivity	Mono: 18.3 dBf, 4.5 µV Stereo: 38.3 dBf, 45 µV
Usable sensitivity	11.2 dBf, 2 µV (IHF)
S/N	Mono: 76 dB Stereo: 70 dB
Harmonic distortion at 1 kHz	Mono: 0.3 % Stereo: 0.5 %
Separation	45 dB at 1 kHz
Frequency response	30 Hz - 15 kHz $^{+0.5}_{-2}$ dB
Selectivity	60 dB at 400 kHz

— Continued on next page —

使用時は添付資料も参照のこと
Refer to the additional documents

FM STEREO FM-AM RECEIVER

SONY®

AM tuner section

Tuning range	With 10 kHz interval**: 530 - 1710 kHz With 9 kHz interval: 531 - 1710 kHz
Antenna	Loop antenna
Usable sensitivity	50 dB/m (at 1,000 kHz or 999 kHz)
S/N	54 dB (at 50 mV/m)
Harmonic distortion	0.5 % (50 mV/m, 400 kHz)
Selectivity	At 9 kHz: 35 dB At 10 kHz: 40 dB

** You can change the AM tuning interval to 9 kHz. After tuning in any AM station, turn off the receiver. Hold down the PRESET TUNING + button and press the POWER button. All preset stations will be erased when you change the interval. To reset the interval to 10 kHz, repeat the procedure.

General

System	Tuner section: PLL quartz-locked digital synthesizer system Preamplifier section: Low-noise NF type equalizer Power amplifier section: Pure-complimentary SEPP
Power requirements	120 V AC, 60 kHz
Power consumption	USA model: 186 W Canada model: 290 VA
AC outlets	1 switched, total 120 W/ 1A Max
Dimensions	17 x 5 3/8 x 11 5/8 inches (430 x 135 x 295 mm)
Mass (Approx.)	6.8 kg (15 lb)
Supplied accessories	FM wire antenna (1) AM loop antenna (1) Remote controller (remote) (1) Size AA (R6) batteries (2)

Design and specifications are subject to change without notice.

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SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:
Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.

2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.

3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

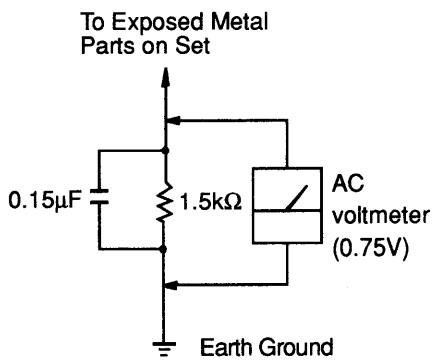


Fig. A. Using an AC voltmeter to check AC leakage.

SERVICE NOTE

PROTECT MODE

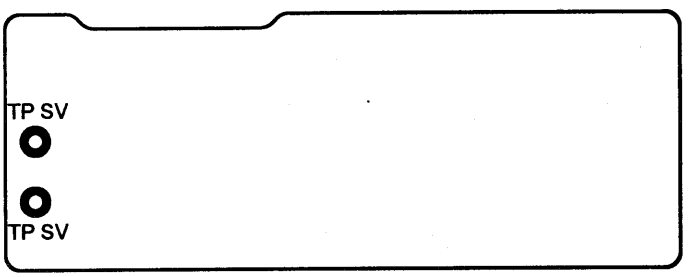
"PROTECT" will be displayed on the FL display when the amplifier is faulty or when the connectors between boards have disconnected, etc.
In the case of faulty connection, connect all the connectors of the unit again, and turn on the power. The protection will be canceled.

- **How to avoid the "PROTECT" mode disconnecting VOL BOARD**

Short-circuit between two of TP SV on the VOL-M CONNECT BOARD, and turn on the power.
In this case, the circuit of the MAIN BOARD does not operate, but that of the DISPLAY BOARD operates.
Disconnect the connected read line afterwards.

TEST POINT LOCATION :

[VOL-M CONNECT BOARD]
— CONDUCTOR SIDE —



TEST MODE

FL CHECK MODE

1. Turn off the power supply.
2. While pressing preset buttons [6], [7] and [8], turn on the power.
3. All the FL displays light up (Fig. 1.), after one second some light up several times, and "END" will be displayed.
4. Turn off the power.

NOTE : The preset memory will be erased if the FL CHECK MODE is performed. Therefore, note down the memory contents beforehand and set the preset memory again as before after completely this mode.

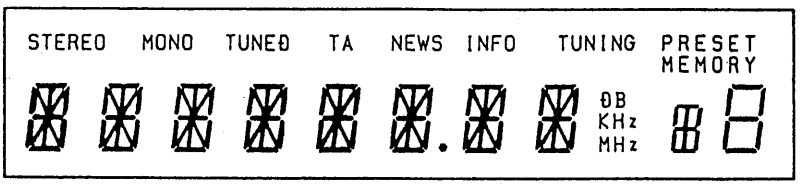
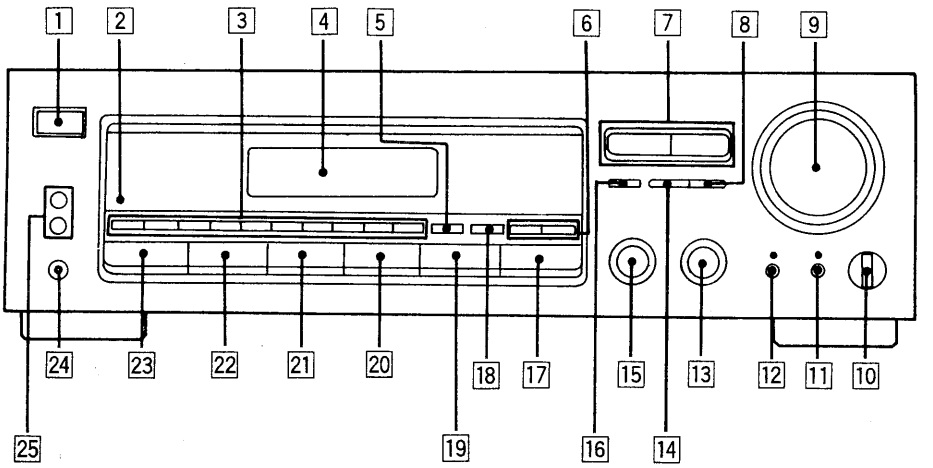


Fig. 1. When All FL Displays are Lit

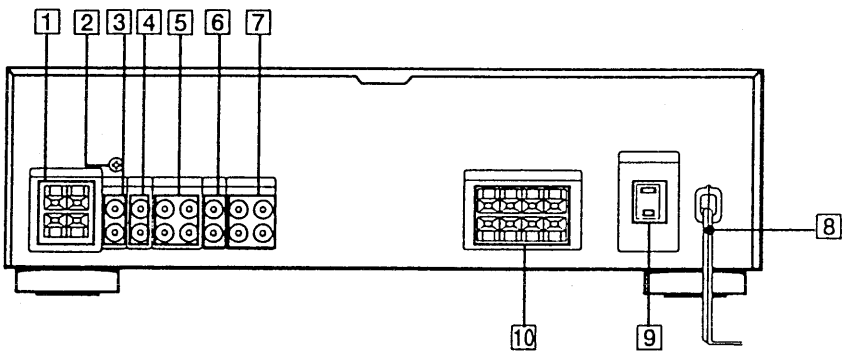
SECTION 1
GENERAL

Front Panel



1 POWER switch
2 Remote sensor
3 Numeric buttons
4 Display window
5 DIRECT button
6 PRESET TUNING +/– button
7 TUNING +/– button
8 FM MODE button
9 VOLUME control
10 BALANS control
11 BASS BOOST button
12 MUTING –20dB button
13 TREBLE control
14 BAND button
15 BASS control
16 MEMORY button
17 PHONO button
18 SHIFT button
19 TUNER button
20 CD button
21 TAPE/MD button
22 TV/LD button
23 VIDEO button
24 PHONES jack
25 SPEAKERS A/B button

Rear Panel

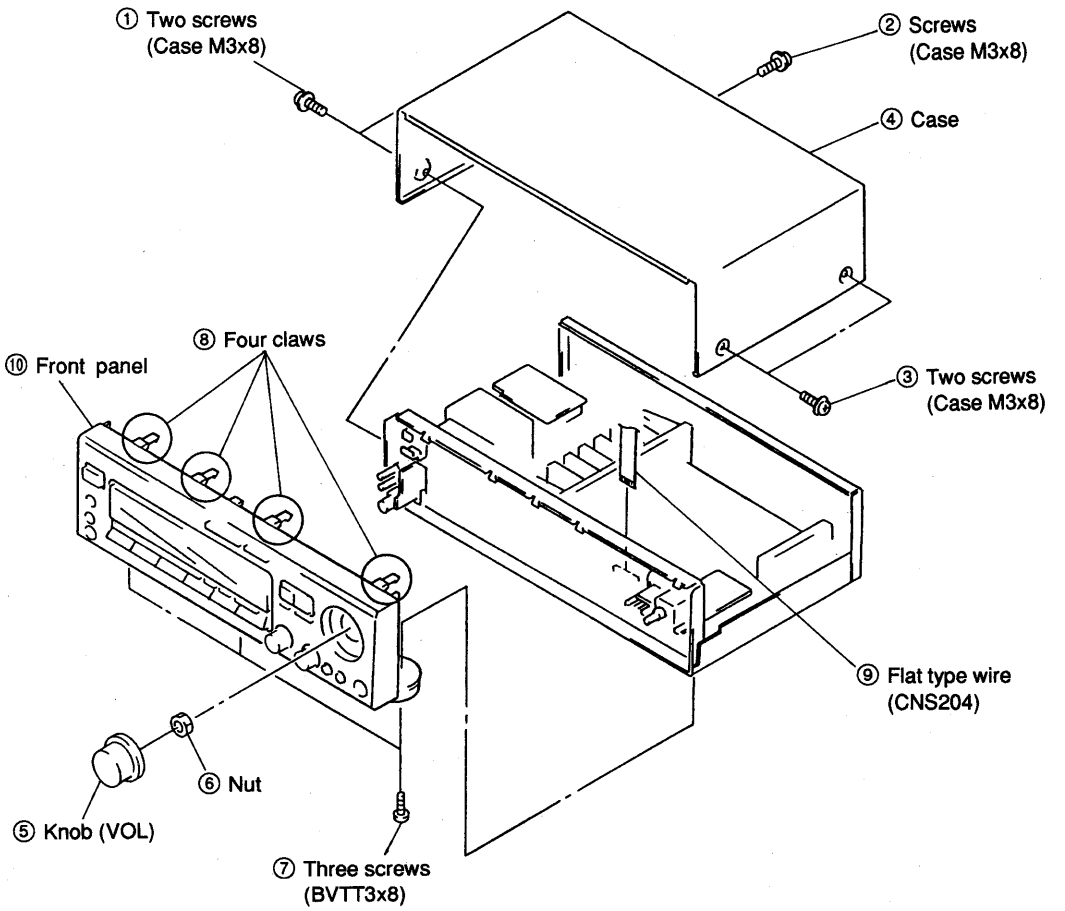


1 ANTENNA (AM/FM)
2 ⏚ ground terminal
3 PHONO
4 CD
5 TAPE/MD
6 TV/LD
7 VIDEO
8 AC power cord
9 SWITCHED AC OUTLET
10 FRONT SPEAKERS (A/B)

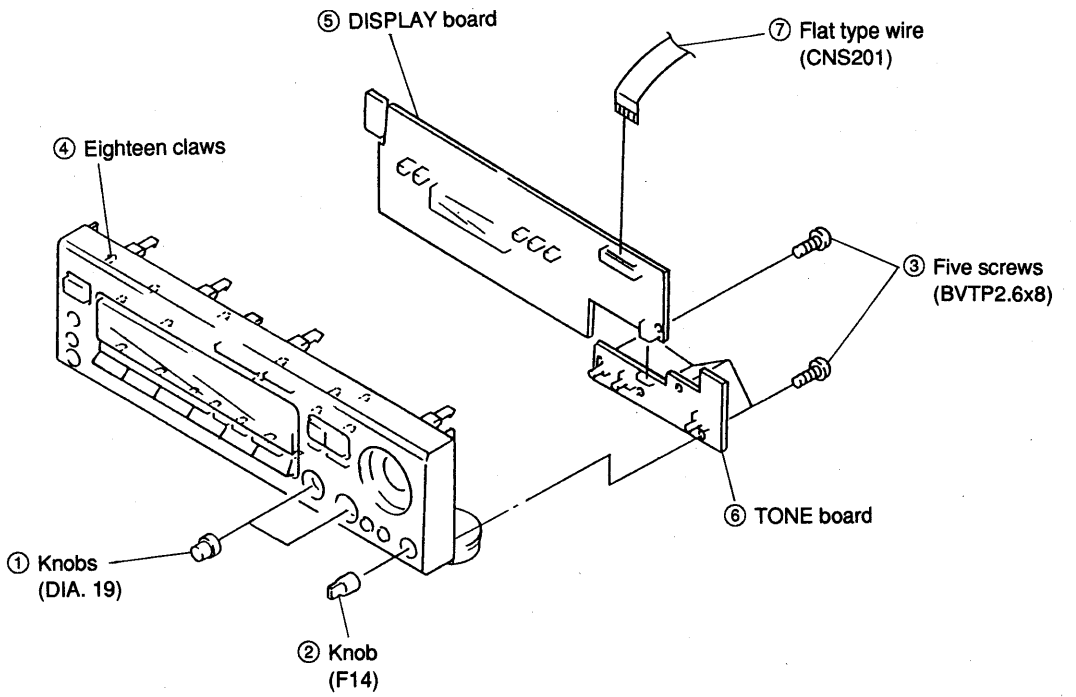
SECTION 2
DISASSEMBLY

Note : Follow the disassembly procedure in the numerical order given.

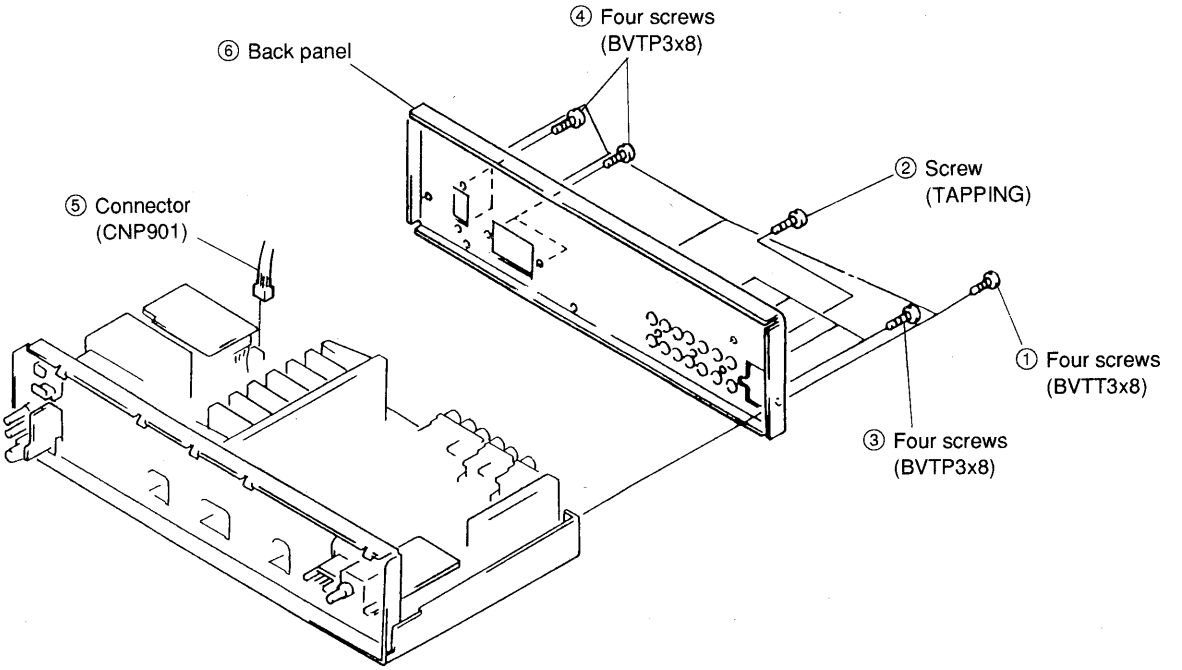
2-1. CASE AND FRONT PANEL



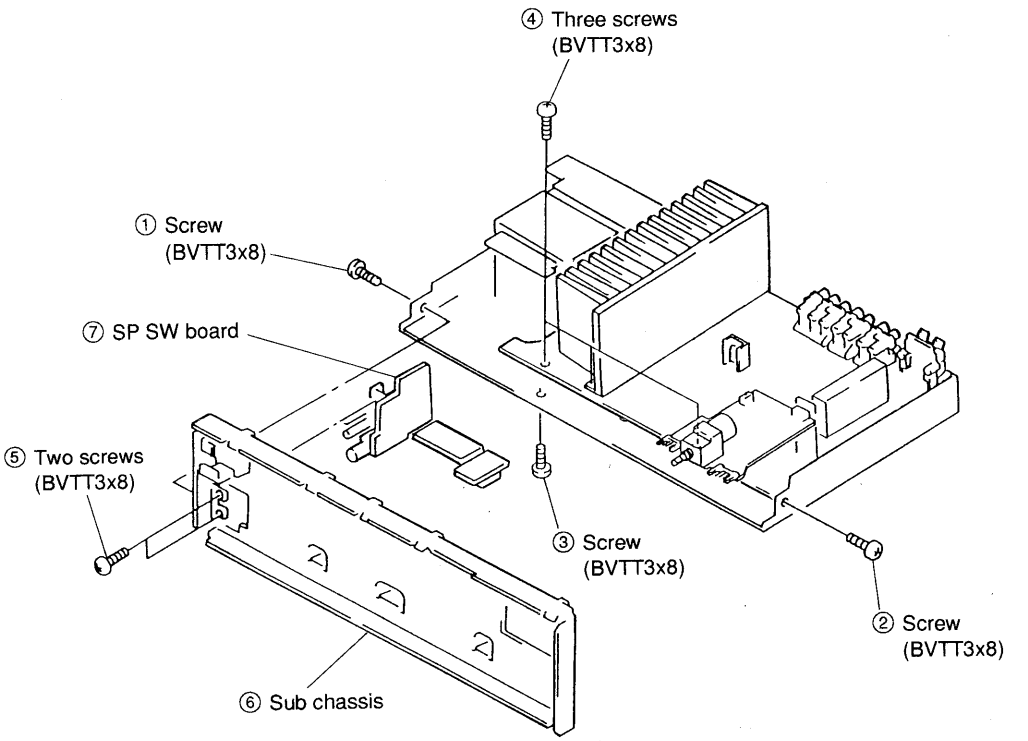
2-2. DISPLAY AND TONE BOARD



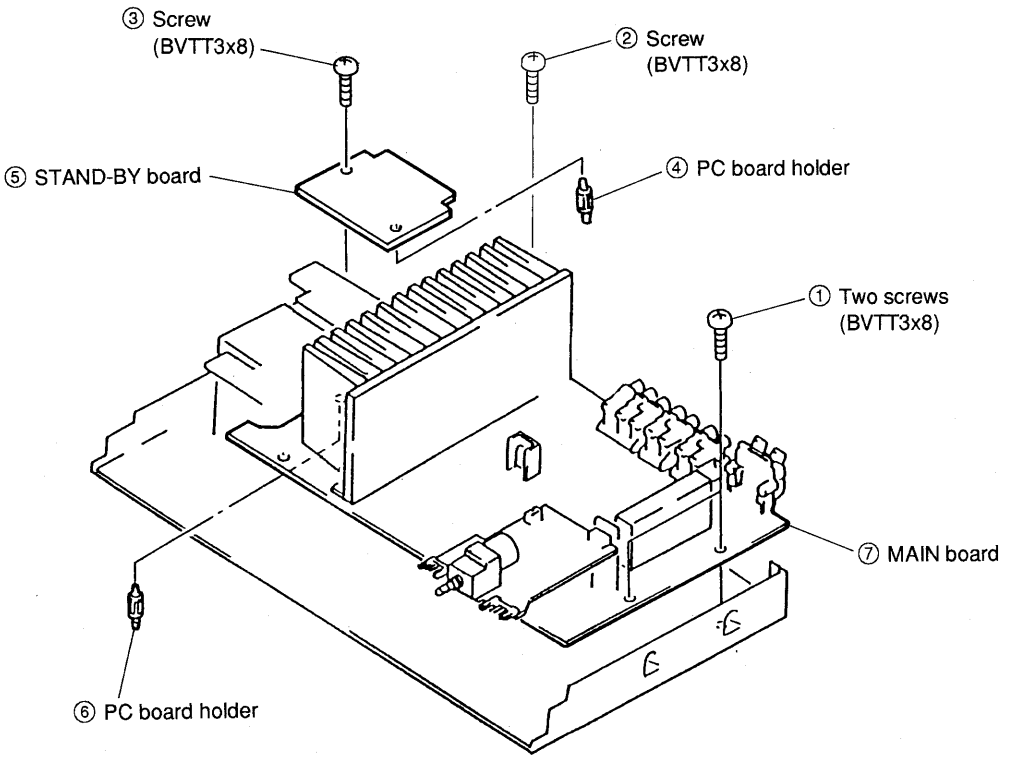
2-3. BACK PANEL



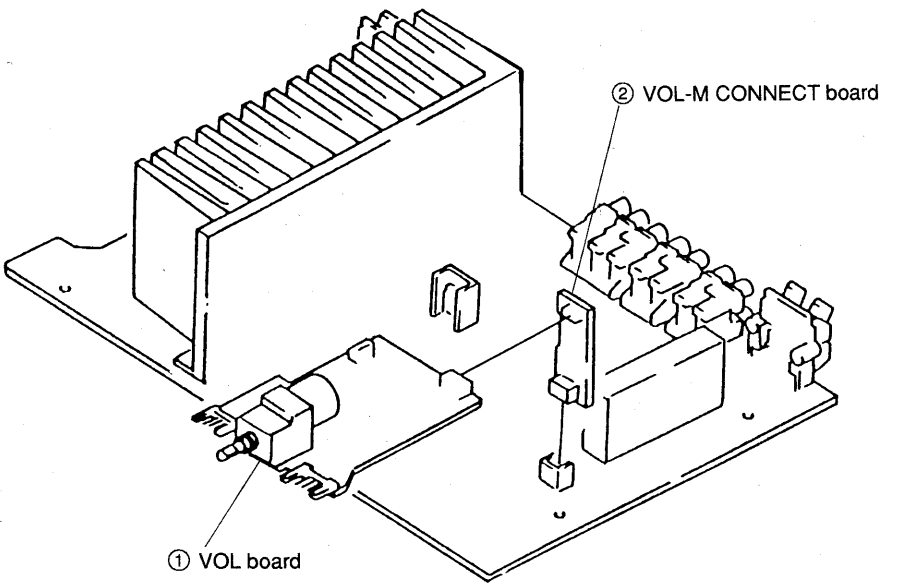
2-4. SP SW BOARD



2-5. MAIN BOARD

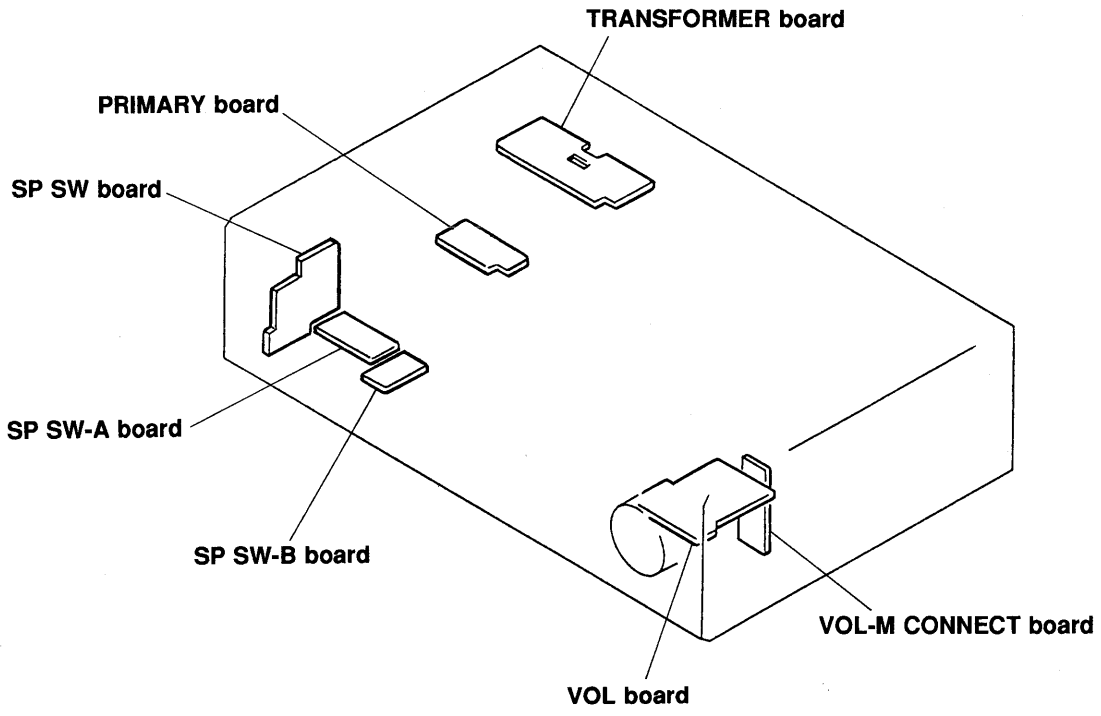


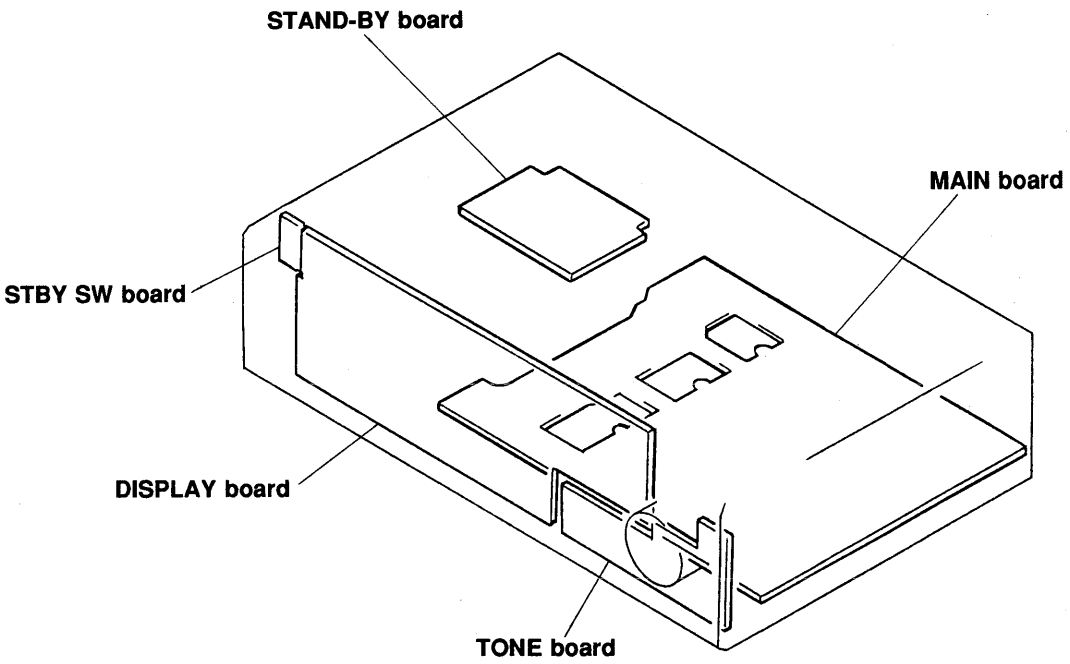
2-6. VOL AND VOL-M CONNECT BOARD



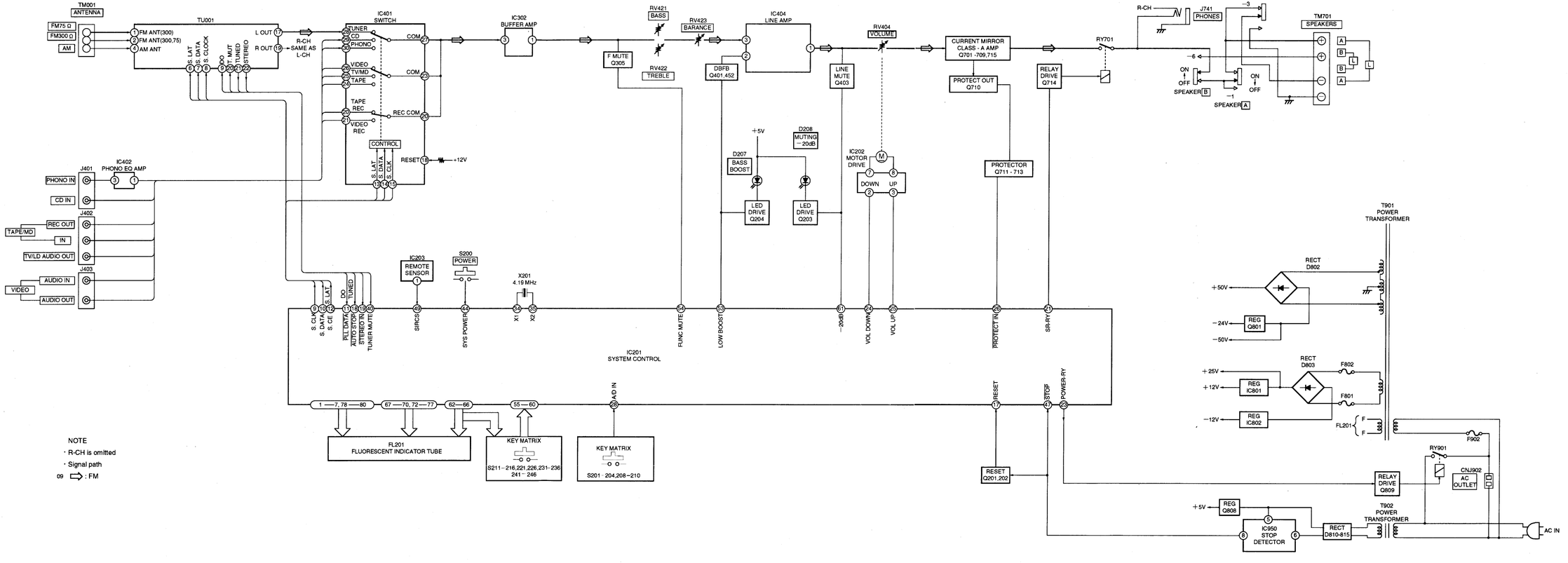
SECTION 3
DIAGRAMS

3-1. CIRCUIT BOARDS LOCATION





3-2. BLOCK DIAGRAM



3-3. PRINTED WIRING BOARD — MAIN SECTION —

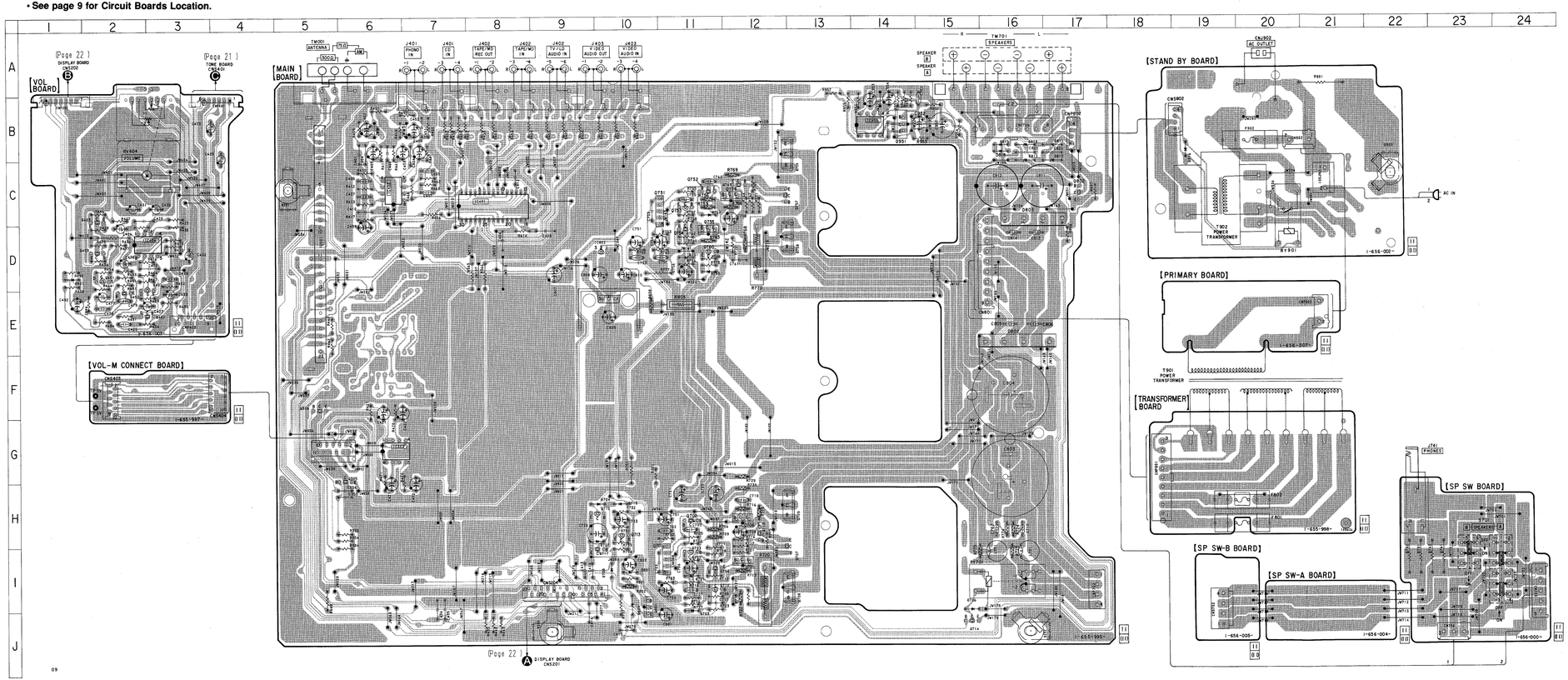
• See page 9 for Circuit Boards Location.

• **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location
D421	D-1	Q402	E-2
D701	I-11	Q403	C-2
D702	H-11	Q451	D-2
D703	I-11	Q452	E-2
D704	H-10	Q453	D-2
D706	I-15	Q701	I-11
D707	H-12	Q702	H-11
D708	I-10	Q703	I-11
D710	H-10	Q704	I-11
D751	D-11	Q705	I-12
D752	C-11	Q706	H-12
D753	D-11	Q707	H-12
D801	I-10	Q708	I-12
D802	E-16	Q709	H-12
D803	C-16	Q710	I-11
D804	I-10	Q711	I-10
D810	B-17	Q712	H-10
D811	B-17	Q713	H-10
D812	B-16	Q714	J-15
D813	B-16	Q715	H-12
D814	B-16	Q751	C-11
D815	B-16	Q752	C-11
		Q753	C-11
IC302	G-6	Q754	D-11
IC401	C-8	Q755	D-11
IC402	C-6	Q756	C-12
IC404	D-2	Q757	C-12
IC801	E-10	Q758	D-12
IC802	D-10	Q759	B-12
IC950	B-14	Q760	D-11
		Q765	C-12
Q305	G-6	Q801	I-10
Q306	F-5	Q802	C-17
Q401	D-2	Q951	B-14

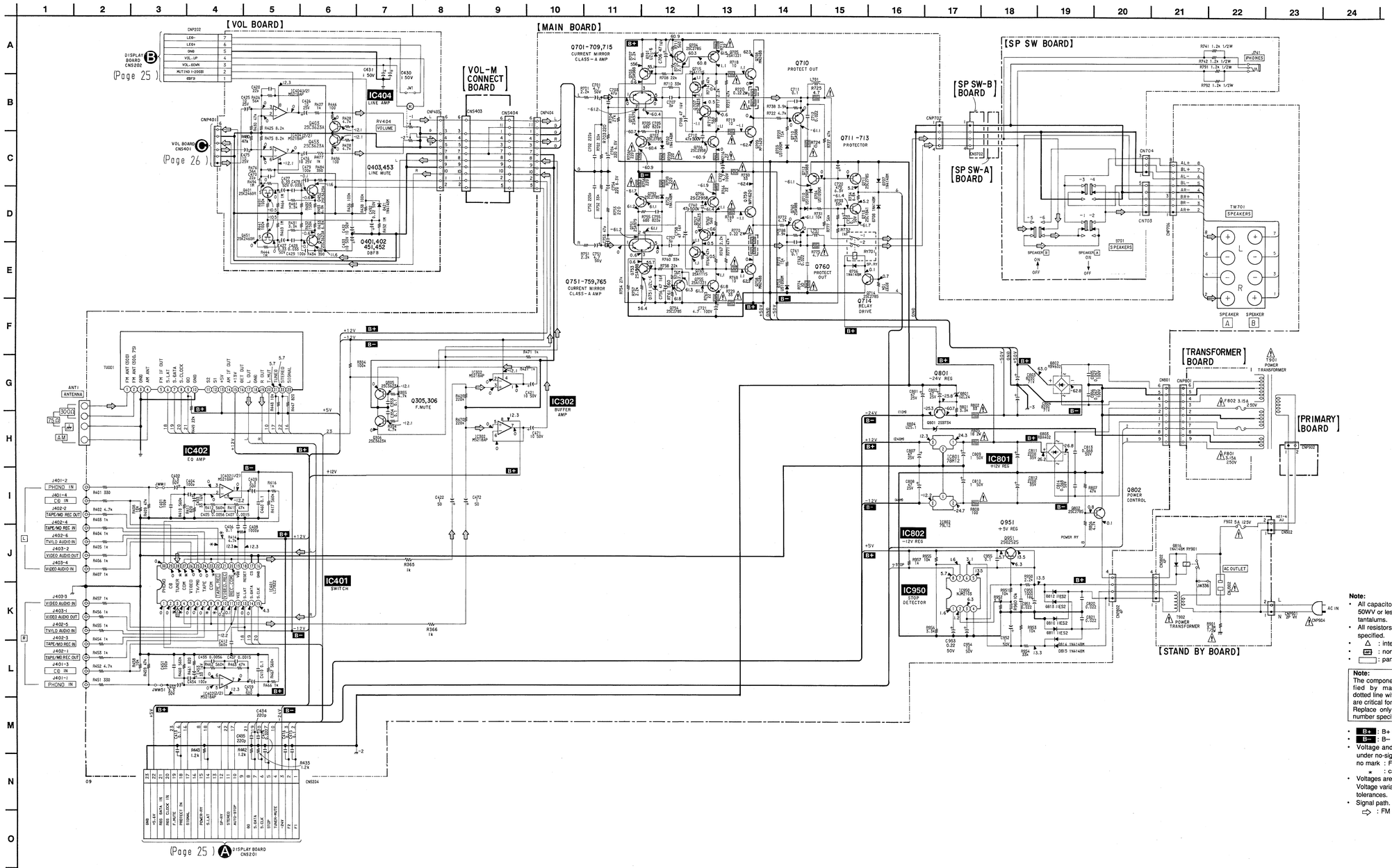
Note:

- ○— : parts extracted from the component side.
- △ : internal component.
- ▒▒ : Pattern from the side which enable seeing.



3-4. SCHEMATIC DIAGRAM — MAIN SECTION —

• See page 28 for IC Block Diagrams.



Note:

- All capacitors are in µF unless otherwise noted. pF:µµF
  50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- △ : internal component.
- ⇔ : nonflammable resistor.
- ▭ : panel designation.

Note:	Note:
The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

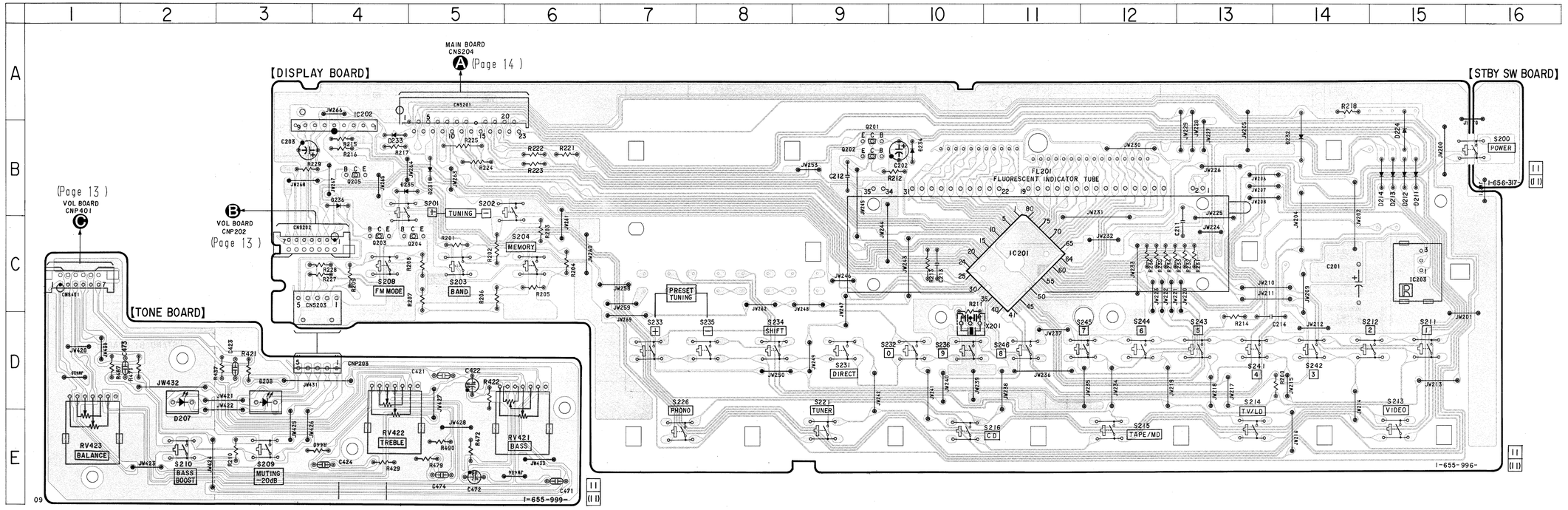
- **B+** : B+ Line
- **B−** : B− Line
- Voltage and waveforms are dc with respect to ground under no-signal conditions.
  no mark : FM
  ✳ : can not be measured.
- Voltages are taken with a VOM (Input impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Signal path.
  ⇨ : FM

3-5. PRINTED WIRING BOARD — DISPLAY SECTION —

• See page 9 for Circuit Boards Location.

• **Semiconductor Location**

Ref. No.	Location
D207	D-2
D208	D-3
D211	B-15
D212	B-15
D213	B-15
D214	B-15
D224	B-15
D231	B-5
D232	B-14
D233	B-4
D234	B-14
D235	B-4
D236	B-4
IC201	C-11
IC202	B-4
IC203	C-15
Q201	B-9
Q202	B-9
Q203	C-4
Q204	C-5
Q205	B-4

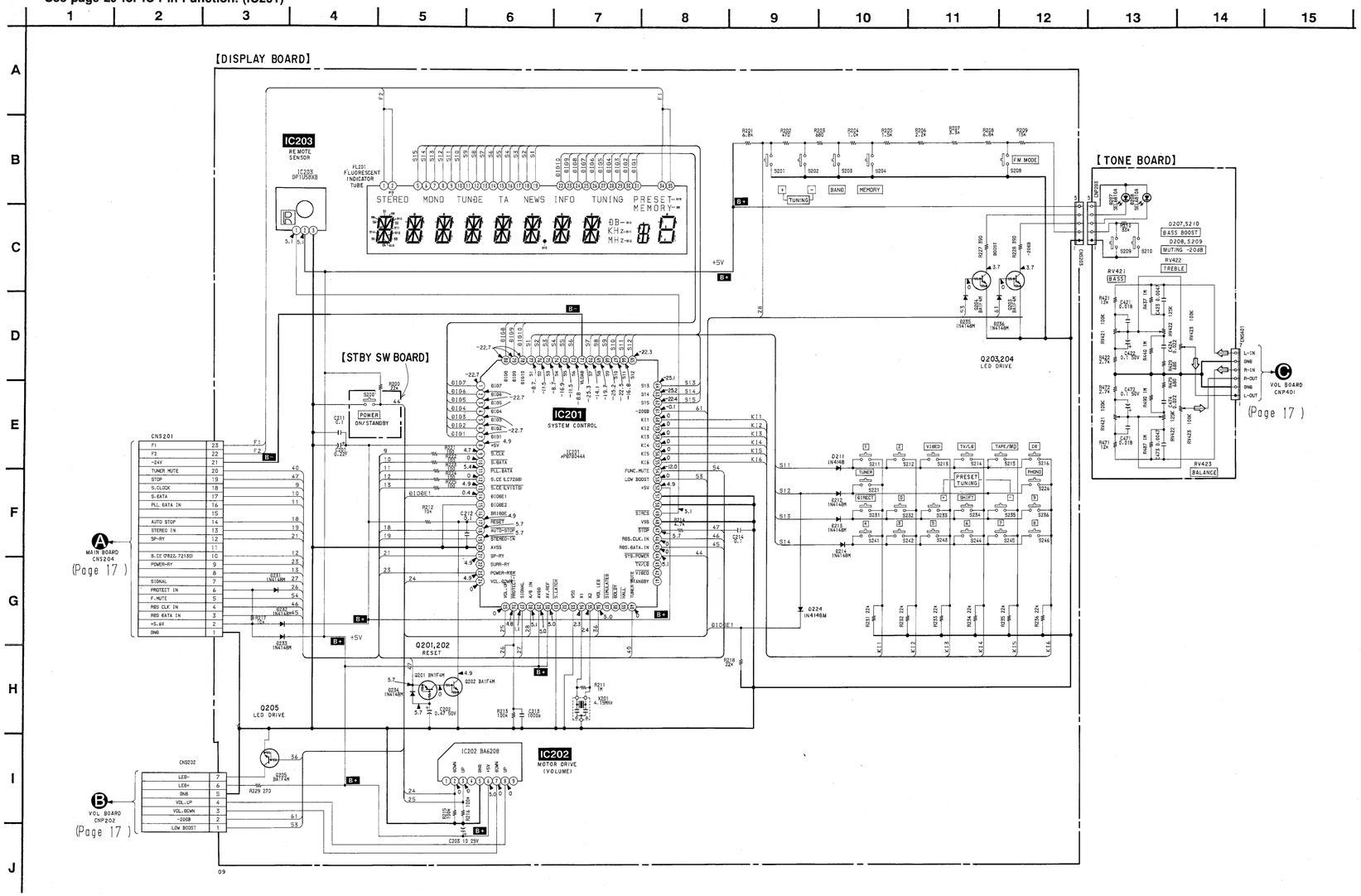


Note:

- ⏛ : parts extracted from the component side.
- △ : internal component.
- ▭ : Pattern from the side which enable seeing.

3-6. SCHEMATIC DIAGRAM — DISPLAY SECTION —

• See page 28 for IC Block Diagrams.
• See page 29 for IC Pin Function. (IC201)



Note:

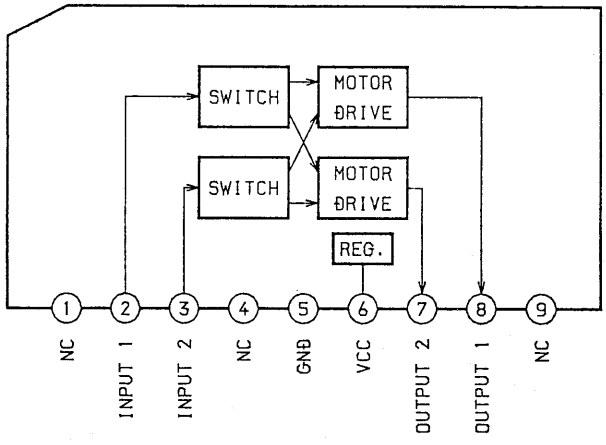
- All capacitors are in µF unless otherwise noted. pF:µµF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- △ : internal component.
- ▭ : panel designation.

Note:	Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

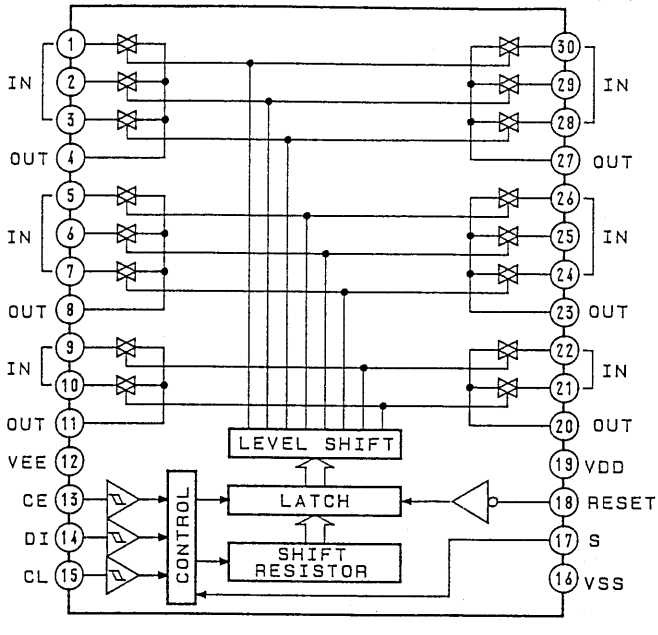
- B+ : B+ Line
- B− : B− Line
- Voltage and waveforms are dc with respect to ground under no-signal conditions.
  no mark : FM
- Voltages are taken with a VOM (Input impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Signal path.
  ⇨ : FM

3-7. IC BLOCK DIAGRAMS

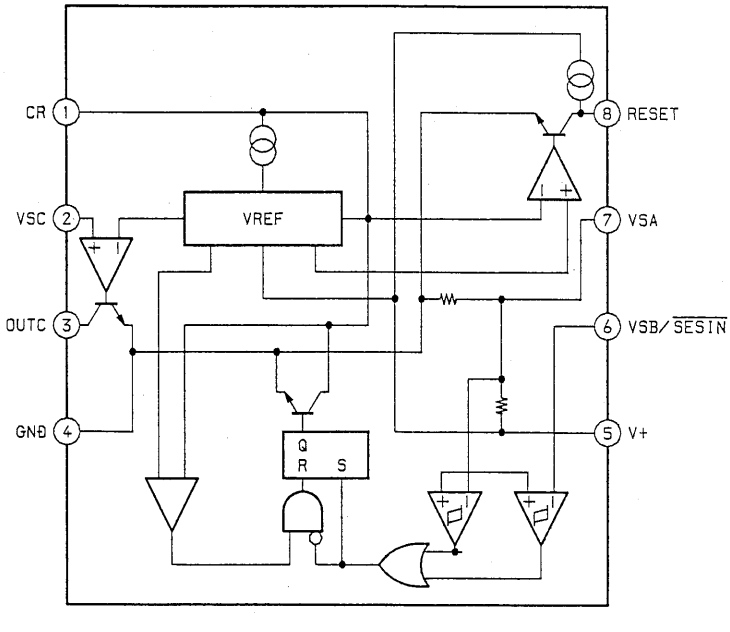
IC202 BA6208



IC401 LC7822



IC950 NJM2103



3-8. IC PIN FUNCTION

- **IC201 μPD78044GF-126-3B9**

Pin No.	Pin Name	I/O	Function
1	DIG 7	O	Digit 7
2	DIG 6	O	Digit 6
3	DIG 5	O	Digit 5
4	DIG 4	O	Digit 4
5	DIG 3	O	Digit 3
6	DIG 2	O	Digit 2
7	DIG 1	O	Digit 1
8	+5V	–	Vdd
9	S. CLK	O	Serial clock (normal high)
10	S. DATA	O	Serial data
11	PLL. DATA	I	PLL data in
12	S. CE (LC7288)	O	Serial CE (7822, 72130)
13	S. CE (LV1010)	O	Serial CE (LV1010)
14	DIODE 1	I	Diode 1
15	DIODE 2	I	GND
16	BRIDGE	O	Bridgeable (not used open)
17	RESET	I	Reset
18	AUTO-STOP	I	Auto stop in
19	STEREO-IN	I	Stereo in
20	AVSS	–	GND
21	SP-RY	O	Speaker relay
22	SURR-RY	O	Surround relay (not used open)
23	POWER-RY	O	Power relay
24	VOL. DOWN	O	Volume down
25	VOL. UP	O	Volume up
26	PROTECT-IN	I	Protector in
27	SIGNAL	I	Signal meter
28	A/D IN	I	A/D converter analog in
29	AVDD	–	A/D converter power supply terminal (+5V)
30	AV. REF	–	A/D converter reference voltage (+5V)
31	S. LATCH	–	GND
32			Open
33	VSS	–	GND
34	X1	–	System clock (4.19 MHz)
35	X2	–	System clock (4.19 MHz)
36	VOL LED	O	Volume LED
37	SIMULATED	O	Simulated LED (not used open)
38	DOLBY	O	Dolby (not used open)
39	HALL	O	Hall (not used open)
40	TUNER MUTE	O	Tuner mute

Pin No.	Pin Name	I/O	Function
41	STANDBY	O	Standby LED (not used open)
42	$\overline{\text{VIDEO}}$	O	Video LED (not used open)
43	$\overline{\text{TV/LD}}$	O	TV/LD LED (not used open)
44	$\overline{\text{SYS. POWER}}$	I	System power in
45	RDS. DATA. IN	I	RDS data in
46	RDS. CLK. IN	I	RDS clock in
47	$\overline{\text{STOP}}$	I	Stop
48	VSS	–	GND
49	$\overline{\text{SIRCS}}$	I	Sircs input
50		–	GND
51		–	GND
52	+5V	–	Vdd
53	LOW BOOST	O	Low boost on/off
54	FUNC MUTE	O	Function mute
55	K16	I	Key in 6
56	K15	I	Key in 5
57	K14	I	Key in 4
58	K13	I	Key in 3
59	K12	I	Key in 2
60	K11	I	Key in 1
61	–20 dB	O	–20 dB mute
62	S15	O	Segment 15/key out 1
63	S14	O	Segment 14/key out 2
64	S13	O	Segment 13/key out 3
65	S12	O	Segment 12/key out 4
66	S11	O	Segment 11/key out 5
67	S10	O	Segment 10
68	S9	O	Segment 9
69	S8	O	Segment 8
70	S7	O	Segment 7
71	VLOAD	–	FIP pull down resistor
72	S6	O	Segment 6
73	S5	O	Segment 5
74	S4	O	Segment 4
75	S3	O	Segment 3
76	S2	O	Segment 2
77	S1	O	Segment 1
78	DIG 10	O	Digit 10
79	DIG 9	O	Digit 9
80	DIG 8	O	Digit 8

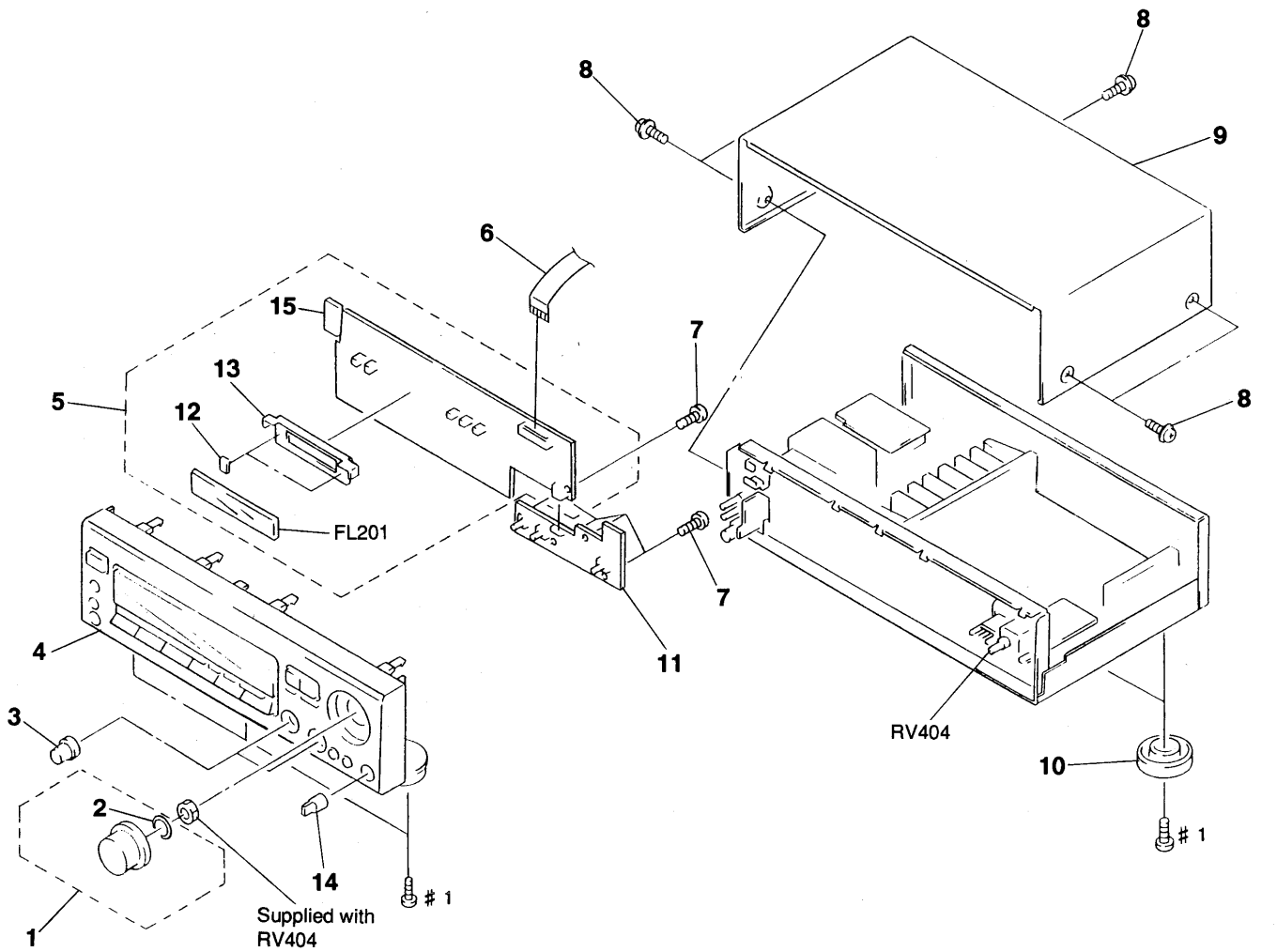
SECTION 4
EXPLODED VIEWS

NOTE:
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories and packing materials are given in the last of this parts list.
- Abbreviation
  CND : Canadian model

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

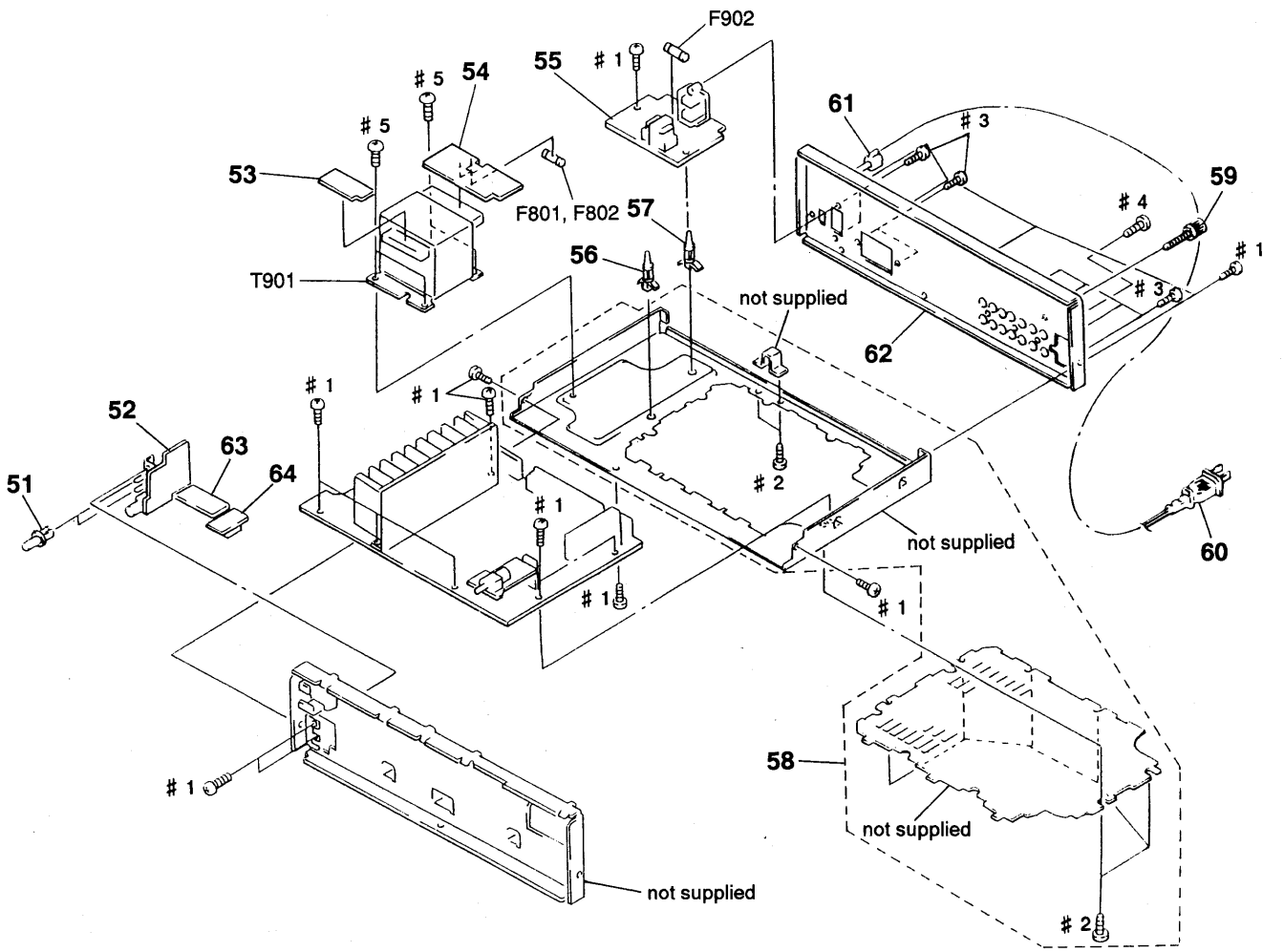
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une piéce portant le numéro spécifié.

4-1. CASE AND FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark
1	X-4945-824-1	KNOB (VOL) ASSY	
2	3-350-426-01	SPRING, RING	
3	4-943-420-01	KNOB (DIA. 19)	
4	X-4946-317-1	PANEL ASSY, FRONT	
* 5	A-4377-521-A	DISPLAY BOARD, COMPLETE	
6	1-773-742-11	WIRE (FLAT TYPE) (23 CORE)	
7	4-951-620-01	SCREW (2.6X8), +BVTP	
8	3-704-366-01	SCREW (CASE) (M3X8)	
* 9	4-951-795-01	CASE	
10	X-3369-842-1	FOOT ASSY (F58175S)	
* 11	1-655-999-11	TONE BOARD	
* 12	4-921-941-01	CUSHION (FL)	
* 13	4-943-107-11	HOLDER (FL TUBE)	
14	4-957-383-01	KNOB (F14)	
* 15	1-656-317-11	STBY SW BOARD	
FL201	1-517-141-11	INDICATOR TUBE, FLUORESCENT	
RV404	1-223-882-11	RES, VAR 100K/100K (MASTER VOLUME)	

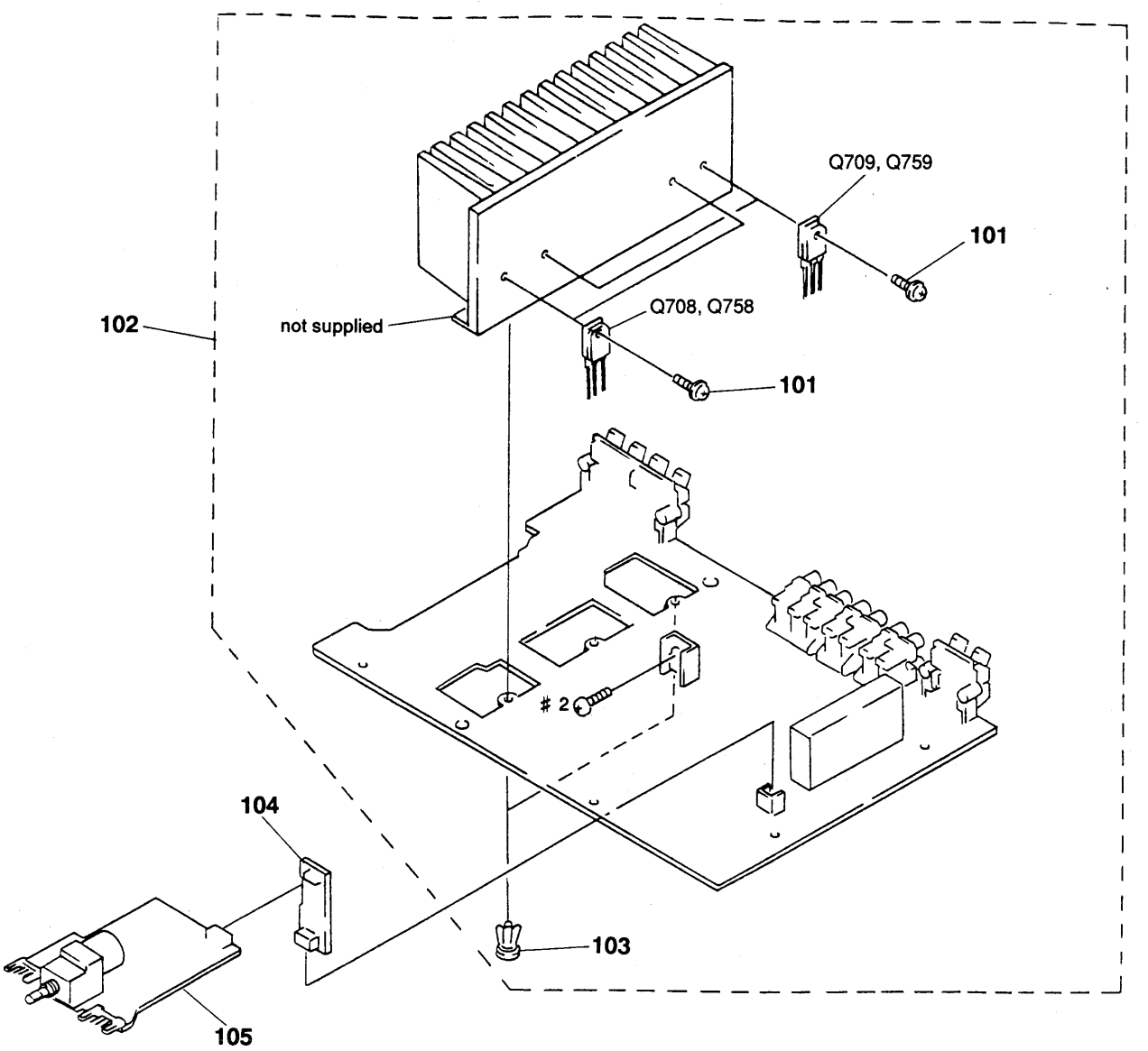
4-2. CHASSIS SECTION



The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark
51	4-951-801-01	BUTTON (S)	
* 52	1-656-000-11	SP SW BOARD	
* 53	1-656-007-11	PRIMARY BOARD	
* 54	1-655-998-11	TRANSFORMER BOARD	
* 55	1-656-002-11	STAND-BY BOARD	
* 56	3-346-265-31	HOLDER, PC BOARD	
* 57	4-924-098-31	HOLDER, PC BOARD	
* 58	A-4361-389-A	CHASSIS ASSY	
59	4-947-010-01	SCREW, FEEDER FIXED	
⚠60	1-769-743-11	CORD, POWER	
* 61	3-703-244-00	BUSHING (2104), CORD	
* 62	4-972-661-01	PANEL, BACK (US)	
* 62	4-972-661-11	PANEL, BACK (CND)	
* 63	1-656-004-11	SP SW-A BOARD	
* 64	1-656-005-11	SP SW-B BOARD	
⚠F801	1-576-107-11	FUSE (3.15A 250V)	
⚠F802	1-576-107-11	FUSE (3.15A 250V)	
⚠F902	1-576-109-11	FUSE (5A 125V)	
⚠T901	1-427-879-11	TRANSFORMER, POWER (US)	
⚠T901	1-427-936-11	TRANSFORMER, POWER (CND)	

4-3. MAIN BOARD SECTION



Ref. No.	Part No.	Description	Remark
101	3-905-609-01	SCREW (TRANSISTOR)	
* 102	A-4377-523-A	MAIN BOARD, COMPLETE (US)	
* 102	A-4377-640-A	MAIN BOARD, COMPLETE (CND)	
103	4-812-134-00	RIVET NYLON, 3.5	
* 104	1-655-997-11	VOL-M CONNECT BOARD	
* 105	A-4377-522-A	VOL BOARD, COMPLETE	
Q708	8-749-010-25	TRANSISTOR MN2488-OPY-M	
Q709	8-749-010-26	TRANSISTOR MP1620-OPY-M	
Q758	8-749-010-25	TRANSISTOR MN2488-OPY-M	
Q759	8-749-010-26	TRANSISTOR MP1620-OPY-M	

DISPLAY

SECTION 5
ELECTRICAL PARTS LIST

NOTE:

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une piéce portant le numéro spécifié.

When indicating parts by reference number, please include the board name.

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- RESISTORS
  All resistors are in ohms
  METAL: Metal-film resistor
  METAL OXIDE: Metal Oxide-film resistor
  F : nonflammable
- SEMICONDUCTORS
  In each case, u: μ , for example:
  uA...: μA..., uPA...: μPA..., uPB...: μPB..., uPC...: μPC..., uPD...: μPD...
- CAPACITORS
  uF : μF
- COILS
  uH : μH
- Abbreviation
  CND : Canadian model

Ref.No.	Part No.	Description			Remark
*	A-4377-521-A	DISPLAY BOARD, COMPLETE			
		**********			
*	4-921-941-01	CUSHION (FL)			
*	4-943-107-11	HOLDER (FL TUBE)			
		< CAPACITOR >			
C201	1-104-905-11	CAP, DOUBLE LAYERS 0.22F			
C202	1-124-465-00	ELECT	0.47uF	20% 50V	
C203	1-126-096-11	ELECT	10uF	20% 35V	
C211	1-164-159-11	CERAMIC	0.1uF	50V	
C212	1-164-159-11	CERAMIC	0.1uF	50V	
C213	1-162-294-31	CERAMIC	0.001uF	10% 50V	
C214	1-164-159-11	CERAMIC	0.1uF	50V	
		< CONNECTOR >			
CNS201	1-766-036-11	CONNECTOR, FFC(LIF(NON-ZIF))23P			
CNS202	1-770-400-11	HOUSING, CONNECTOR(PC BOARD)7P			
* CNS203	1-565-481-11	CONNECTOR, BOARD TO BOARD 5P			
		< DIODE >			
D211	8-719-987-63	DIODE	1N4148M		
D212	8-719-987-63	DIODE	1N4148M		
D213	8-719-987-63	DIODE	1N4148M		
D214	8-719-987-63	DIODE	1N4148M		
D224	8-719-987-63	DIODE	1N4148M		
D231	8-719-987-63	DIODE	1N4148M		
D232	8-719-987-63	DIODE	1N4148M		
D233	8-719-987-63	DIODE	1N4148M		
D234	8-719-987-63	DIODE	1N4148M		
D235	8-719-987-63	DIODE	1N4148M		
D236	8-719-987-63	DIODE	1N4148M		
		< FLUORESCENT INDICATOR >			
FL201	1-517-141-11	INDICATOR TUBE, FLUORESCENT			
		< IC >			
IC201	8-759-347-90	IC	uPD78044GF-126-3B9		
IC202	8-759-962-08	IC	BA6208		
IC203	8-749-923-11	IC	GP1U58XB		

Ref.No.	Part No.	Description				Remark
		< TRANSISTOR >				
Q201	8-729-900-63	TRANSISTOR	DTA124ES			
Q202	8-729-900-36	TRANSISTOR	DTC124ES			
Q203	8-729-900-36	TRANSISTOR	DTC124ES			
Q204	8-729-900-36	TRANSISTOR	DTC124ES			
Q205	8-729-900-36	TRANSISTOR	DTC124ES			
		< RESISTOR >				
R200	1-249-433-11	CARBON	22K	5%	1/4W	
R201	1-249-427-11	CARBON	6.8K	5%	1/4W	F
R202	1-249-413-11	CARBON	470	5%	1/4W	F
R203	1-249-415-11	CARBON	680	5%	1/4W	F
R204	1-249-417-11	CARBON	1K	5%	1/4W	F
R205	1-249-419-11	CARBON	1.5K	5%	1/4W	F
R206	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R207	1-249-423-11	CARBON	3.3K	5%	1/4W	F
R208	1-249-427-11	CARBON	6.8K	5%	1/4W	F
R209	1-249-431-11	CARBON	15K	5%	1/4W	
R211	1-247-903-00	CARBON	1M	5%	1/4W	
R212	1-249-429-11	CARBON	10K	5%	1/4W	
R213	1-249-441-11	CARBON	100K	5%	1/4W	
R214	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R215	1-249-441-11	CARBON	100K	5%	1/4W	
R216	1-249-441-11	CARBON	100K	5%	1/4W	
R217	1-249-429-11	CARBON	10K	5%	1/4W	
R218	1-249-433-11	CARBON	22K	5%	1/4W	
R221	1-247-807-31	CARBON	100	5%	1/4W	
R222	1-247-807-31	CARBON	100	5%	1/4W	
R223	1-247-807-31	CARBON	100	5%	1/4W	
R224	1-247-807-31	CARBON	100	5%	1/4W	
R225	1-247-807-31	CARBON	100	5%	1/4W	
R227	1-249-412-11	CARBON	390	5%	1/4W	F
R228	1-249-412-11	CARBON	390	5%	1/4W	F
R229	1-249-410-11	CARBON	270	5%	1/4W	F
R231	1-249-433-11	CARBON	22K	5%	1/4W	
R232	1-249-433-11	CARBON	22K	5%	1/4W	
R233	1-249-433-11	CARBON	22K	5%	1/4W	
R234	1-249-433-11	CARBON	22K	5%	1/4W	
R235	1-249-433-11	CARBON	22K	5%	1/4W	
R236	1-249-433-11	CARBON	22K	5%	1/4W	

Ref.No.	Part No.	Description			Remark
		< SWITCH >			
S201	1-554-303-21	SWITCH, TACTILE (TUNING +)			
S202	1-554-303-21	SWITCH, TACTILE (TUNING -)			
S203	1-554-303-21	SWITCH, TACTILE (BAND)			
S204	1-554-303-21	SWITCH, TACTILE (MEMORY)			
S208	1-554-303-21	SWITCH, TACTILE (FM MODE)			
S211	1-554-303-21	SWITCH, TACTILE (1)			
S212	1-554-303-21	SWITCH, TACTILE (2)			
S213	1-554-303-21	SWITCH, TACTILE (VIDEO)			
S214	1-554-303-21	SWITCH, TACTILE (TV/LD)			
S215	1-554-303-21	SWITCH, TACTILE (TAPE/MD)			
S216	1-554-303-21	SWITCH, TACTILE (CD)			
S221	1-554-303-21	SWITCH, TACTILE (TUNER)			
S226	1-554-303-21	SWITCH, TACTILE (PHONO)			
S231	1-554-303-21	SWITCH, TACTILE (DIRECT)			
S232	1-554-303-21	SWITCH, TACTILE (0)			
S233	1-554-303-21	SWITCH, TACTILE (+)			
S234	1-554-303-21	SWITCH, TACTILE (SHIFT)			
S235	1-554-303-21	SWITCH, TACTILE (-)			
S236	1-554-303-21	SWITCH, TACTILE (9)			
S241	1-554-303-21	SWITCH, TACTILE (4)			
S242	1-554-303-21	SWITCH, TACTILE (3)			
S243	1-554-303-21	SWITCH, TACTILE (5)			
S244	1-554-303-21	SWITCH, TACTILE (6)			
S245	1-554-303-21	SWITCH, TACTILE (7)			
S246	1-554-303-21	SWITCH, TACTILE (8)			
		< VIBRATOR >			
X201	1-577-101-11	VIBRATOR, CERAMIC (4.19MHz)			
**********					
*	A-4377-523-A	MAIN BOARD, COMPLETE (US)			
		**********			
*	A-4377-640-A	MAIN BOARD, COMPLETE (CND)			
		**********			
	3-905-609-01	SCREW (TRANSISTOR)			
	4-812-134-00	RIVET NYLON, 3.5			
	7-682-548-09	SCREW +BVTT 3X8 (S)			
		< CAPACITOR >			
C353	1-164-159-11	CERAMIC	0.1uF		50V
C354	1-164-159-11	CERAMIC	0.1uF		50V
C401	1-162-282-31	CERAMIC	100PF	10%	50V
C402	1-126-962-11	ELECT	3.3uF	20%	50V
C403	1-104-792-51	ELECT	33uF	20%	16V
C404	1-162-282-31	CERAMIC	100PF	10%	50V
C405	1-137-459-11	FILM	0.0056uF	5%	100V
C406	1-164-159-11	CERAMIC	0.1uF		50V
C407	1-137-365-11	FILM	0.0015uF	5%	50V

Ref.No.	Part No.	Description			Remark
C408	1-162-294-31	CERAMIC	0.001uF	10%	50V
C409	1-126-962-11	ELECT	3.3uF	20%	50V
C410	1-164-159-11	CERAMIC	0.1uF		50V
C412	1-162-291-31	CERAMIC	560PF	10%	50V
C413	1-164-159-11	CERAMIC	0.1uF		50V
C414	1-161-494-00	CERAMIC	0.022uF		25V
C415	1-164-159-11	CERAMIC	0.1uF		50V
C416	1-164-159-11	CERAMIC	0.1uF		50V
C421	1-124-907-11	ELECT	10uF	20%	50V
C422	1-124-903-11	ELECT	1uF	20%	50V
C434	1-162-286-31	CERAMIC	220PF	10%	50V
C435	1-162-286-31	CERAMIC	220PF	10%	50V
C451	1-162-282-31	CERAMIC	100PF	10%	50V
C452	1-126-962-11	ELECT	3.3uF	20%	50V
C453	1-104-792-51	ELECT	33uF	20%	16V
C454	1-162-282-31	CERAMIC	100PF	10%	50V
C455	1-137-459-11	FILM	0.0056uF	5%	100V
C457	1-137-365-11	FILM	0.0015uF	5%	50V
C459	1-126-962-11	ELECT	3.3uF	20%	50V
C460	1-164-159-11	CERAMIC	0.1uF		50V
C471	1-124-907-11	ELECT	10uF	20%	50V
C472	1-124-903-11	ELECT	1uF	20%	50V
C701	1-124-927-11	ELECT	4.7uF	20%	100V
C702	1-164-077-11	CERAMIC	220PF	10%	50V
C703	1-162-215-31	CERAMIC	47PF	5%	50V
C704	1-126-176-11	ELECT	220uF	20%	10V
C705	1-164-084-11	CERAMIC	820PF	10%	50V
C706	1-124-477-11	ELECT	47uF	20%	25V
C707	1-164-039-11	CERAMIC	3PF	0.25PF	50V
C708	1-124-477-11	ELECT	47uF	20%	25V
C710	1-162-815-11	CERAMIC	47PF	5%	500V
C711	1-164-159-11	CERAMIC	0.1uF		50V
C712	1-137-372-11	FILM	0.022uF	5%	50V
C720	1-124-472-11	ELECT	470uF	20%	10V
C721	1-124-927-11	ELECT	4.7uF	20%	100V
C722	1-124-927-11	ELECT	4.7uF	20%	100V
C723	1-124-463-00	ELECT	0.1uF	20%	50V
C751	1-124-927-11	ELECT	4.7uF	20%	100V
C752	1-164-077-11	CERAMIC	220PF	10%	50V
C753	1-162-215-31	CERAMIC	47PF	5%	50V
C754	1-126-176-11	ELECT	220uF	20%	10V
C755	1-164-084-11	CERAMIC	820PF	10%	50V
C756	1-124-477-11	ELECT	47uF	20%	25V
C757	1-164-039-11	CERAMIC	3PF	0.25PF	50V
C758	1-124-477-11	ELECT	47uF	20%	25V
C760	1-162-815-11	CERAMIC	47PF	5%	500V
C761	1-164-159-11	CERAMIC	0.1uF		50V
C762	1-137-372-11	FILM	0.022uF	5%	50V
C801	1-124-477-11	ELECT	47uF	20%	25V
C802	1-124-477-11	ELECT	47uF	20%	25V

MAIN

Ref. No.	Part No.	Description			Remark
C803	1-107-766-11	ELECT	8200uF	20%	71V
C804	1-107-766-11	ELECT	8200uF	20%	71V
C805	1-137-420-11	FILM	0.047uF	10%	100V
C806	1-137-420-11	FILM	0.047uF	10%	100V
C807	1-124-477-11	ELECT	47uF	20%	25V
C808	1-124-477-11	ELECT	47uF	20%	25V
C809	1-124-903-11	ELECT	1uF	20%	50V
C810	1-124-903-11	ELECT	1uF	20%	50V
C811	1-124-618-11	ELECT	2200uF	20%	35V
C812	1-124-618-11	ELECT	2200uF	20%	35V
C813	1-137-375-11	FILM	0.068uF	5%	50V
C814	1-137-375-11	FILM	0.068uF	5%	50V
C820	1-161-494-00	CERAMIC	0.022uF		25V
C821	1-161-494-00	CERAMIC	0.022uF		25V
C950	1-124-360-00	ELECT	1000uF	20%	16V
C951	1-164-097-11	CERAMIC	0.022uF		50V
C952	1-124-903-11	ELECT	1uF	20%	50V
C953	1-124-464-11	ELECT	0.22uF	20%	50V
C954	1-124-907-11	ELECT	10uF	20%	50V
		< CONNECTOR >			
CNP404	1-750-384-21	CONNECTOR, BOARD TO BOARD 11P			
CNP702	1-770-481-11	PIN, CONNECTOR 4P			
CNP802	1-770-479-11	PLUG, CONNECTOR PIN(PC BOARD) 4P			
CNS204	1-764-928-11	CONNECTOR, FFC(LIF(NON-ZIF)) 23P			
		< DIODE >			
D701	8-719-933-41	DIODE	HZS6C3L		
D702	8-719-987-63	DIODE	1N4148M		
D703	8-719-815-85	DIODE	1S1585		
D704	8-719-815-85	DIODE	1S1585		
D706	8-719-987-63	DIODE	1N4148M		
D707	8-719-987-63	DIODE	1N4148M		
D708	8-719-987-63	DIODE	1N4148M		
D710	8-719-815-85	DIODE	1S1585		
D751	8-719-933-41	DIODE	HZS6C3L		
D752	8-719-987-63	DIODE	1N4148M		
D753	8-719-815-85	DIODE	1S1585		
D801	8-719-002-33	DIODE	UZL-24L		
D802	8-719-302-38	DIODE	RBV-602-01		
D803	8-719-025-03	DIODE	RBA-402-SL		
D804	8-719-010-38	DIODE	UZ-5.1BSB		
D810	8-719-024-99	DIODE	11ES2-NTA2B		
D811	8-719-024-99	DIODE	11ES2-NTA2B		
D812	8-719-024-99	DIODE	11ES2-NTA2B		
D813	8-719-024-99	DIODE	11ES2-NTA2B		
D814	8-719-987-63	DIODE	1N4148M		
D815	8-719-987-63	DIODE	1N4148M		

Ref. No.	Part No.	Description	Remark
		< GROUND >	
G200	1-537-770-11	TERMINAL BOARD, GROUND	
G201	1-537-770-11	TERMINAL BOARD, GROUND	
G202	1-537-770-11	TERMINAL BOARD, GROUND	
		< IC >	
IC302	8-759-636-74	IC M5218AP-22	
IC401	8-759-805-14	IC LC7822	
IC402	8-759-636-74	IC M5218AP-22	
IC801	8-759-287-58	IC TA78M12P	
IC802	8-759-700-69	IC NJM79L12A	
IC950	8-759-333-83	IC NJM2103D	
		< JACK >	
J401	1-695-188-21	JACK, PIN 4P (PHONO, CD)	
J402	1-580-825-11	JACK, PIN 6P (TAPE/MD, TV/LD)	
J403	1-573-028-21	JACK, PIN 4P (VIDEO)	
		< COIL >	
L701	1-420-872-00	COIL, AIR-CORE	
L751	1-420-872-00	COIL, AIR-CORE	
		< TRANSISTOR >	
Q305	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q306	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q701	8-729-620-18	TRANSISTOR 2SA979-FG	
Q702	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q703	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q704	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q705	8-729-122-13	TRANSISTOR 2SA1221-K	
Q706	8-729-195-82	TRANSISTOR 2SC2958	
Q707	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q708	8-749-010-25	TRANSISTOR MN2488-OPY-M	
Q709	8-749-010-26	TRANSISTOR MP1620-OPY-M	
Q710	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q711	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q712	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q713	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA	
Q714	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q715	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q751	8-729-620-18	TRANSISTOR 2SA979-FG	
Q752	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q753	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q754	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q755	8-729-122-13	TRANSISTOR 2SA1221-K	
Q756	8-729-195-82	TRANSISTOR 2SC2958	
Q757	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q758	8-749-010-25	TRANSISTOR MN2488-OPY-M	
Q759	8-749-010-26	TRANSISTOR MP1620-OPY-M	

Ref. No.	Part No.	Description				Remark
Q760	8-729-140-82	TRANSISTOR	2SA988-PAFAEA			
Q765	8-729-119-76	TRANSISTOR	2SA1175-HFE			
Q801	8-729-140-97	TRANSISTOR	2SB734-34			
Q802	8-729-119-78	TRANSISTOR	2SC2785-HFE			
Q951	8-729-030-18	TRANSISTOR	2SD2525			
		< RESISTOR >				
R304	1-249-441-11	CARBON	100K	5%	1/4W	
R354	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R355	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R365	1-249-417-11	CARBON	1K	5%	1/4W	F
R366	1-249-417-11	CARBON	1K	5%	1/4W	F
R401	1-249-411-11	CARBON	330	5%	1/4W	
R402	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R403	1-249-417-11	CARBON	1K	5%	1/4W	F
R404	1-249-417-11	CARBON	1K	5%	1/4W	F
R405	1-249-417-11	CARBON	1K	5%	1/4W	F
R406	1-249-417-11	CARBON	1K	5%	1/4W	F
R407	1-249-417-11	CARBON	1K	5%	1/4W	F
R408	1-249-429-11	CARBON	10K	5%	1/4W	
R409	1-249-437-11	CARBON	47K	5%	1/4W	
R410	1-247-897-11	CARBON	560K	5%	1/4W	
R411	1-249-416-11	CARBON	820	5%	1/4W	F
R412	1-247-897-11	CARBON	560K	5%	1/4W	
R413	1-249-437-11	CARBON	47K	5%	1/4W	
R414	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R416	1-249-417-11	CARBON	1K	5%	1/4W	F
R417	1-247-897-11	CARBON	560K	5%	1/4W	
R420	1-247-887-00	CARBON	220K	5%	1/4W	
R421	1-249-417-11	CARBON	1K	5%	1/4W	F
R435	1-249-418-11	CARBON	1.2K	5%	1/4W	F
R442	1-249-418-11	CARBON	1.2K	5%	1/4W	F
R443	1-249-418-11	CARBON	1.2K	5%	1/4W	F
R447	1-249-416-11	CARBON	820	5%	1/4W	F
R448	1-249-429-11	CARBON	10K	5%	1/4W	
R449	1-249-433-11	CARBON	22K	5%	1/4W	
R451	1-249-411-11	CARBON	330	5%	1/4W	
R452	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R453	1-249-417-11	CARBON	1K	5%	1/4W	F
R454	1-249-417-11	CARBON	1K	5%	1/4W	F
R455	1-249-417-11	CARBON	1K	5%	1/4W	F
R456	1-249-417-11	CARBON	1K	5%	1/4W	F
R457	1-249-417-11	CARBON	1K	5%	1/4W	F
R458	1-249-429-11	CARBON	10K	5%	1/4W	
R459	1-249-437-11	CARBON	47K	5%	1/4W	
R460	1-247-897-11	CARBON	560K	5%	1/4W	
R461	1-249-416-11	CARBON	820	5%	1/4W	F
R462	1-247-897-11	CARBON	560K	5%	1/4W	
R463	1-249-437-11	CARBON	47K	5%	1/4W	
R466	1-249-417-11	CARBON	1K	5%	1/4W	F

Ref. No.	Part No.	Description				Remark
R467	1-247-897-11	CARBON	560K	5%	1/4W	
R470	1-247-887-00	CARBON	220K	5%	1/4W	
R471	1-249-417-11	CARBON	1K	5%	1/4W	F
R603	1-249-409-11	CARBON	220	5%	1/4W	F
R701	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R702	1-249-435-11	CARBON	33K	5%	1/4W	
R703	1-249-409-11	CARBON	220	5%	1/4W	F
R704	1-249-434-11	CARBON	27K	5%	1/4W	
R705	1-249-415-11	CARBON	680	5%	1/4W	F
⚠R706	1-249-409-11	CARBON	220	5%	1/4W	F
R707	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R708	1-249-433-11	CARBON	22K	5%	1/4W	
⚠R709	1-249-409-11	CARBON	220	5%	1/4W	F
R710	1-249-435-11	CARBON	33K	5%	1/4W	
R711	1-249-414-11	CARBON	560	5%	1/4W	F
R712	1-249-422-11	CARBON	2.7K	5%	1/4W	F
⚠R713	1-249-397-11	CARBON	22	5%	1/4W	F
R714	1-249-437-11	CARBON	47K	5%	1/4W	
R715	1-249-414-11	CARBON	560	5%	1/4W	F
⚠R716	1-249-397-11	CARBON	22	5%	1/4W	F
R717	1-249-421-11	CARBON	2.2K	5%	1/4W	F
⚠R718	1-249-393-11	CARBON	10	5%	1/4W	F
⚠R719	1-249-393-11	CARBON	10	5%	1/4W	F
⚠R720	1-233-352-21	ENCAPSULATED COMPONENT	0.22		2W	
R721	1-249-437-11	CARBON	47K	5%	1/4W	
R722	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R723	1-249-431-11	CARBON	15K	5%	1/4W	
⚠R724	1-249-393-11	CARBON	10	5%	1/4W	F
⚠R725	1-249-389-11	CARBON	4.7	5%	1/4W	F
R727	1-249-437-11	CARBON	47K	5%	1/4W	
⚠R729	1-249-887-11	CARBON	33	5%	1/4W	F
⚠R730	1-249-887-11	CARBON	33	5%	1/4W	F
R731	1-249-429-11	CARBON	10K	5%	1/4W	
R732	1-249-417-11	CARBON	1K	5%	1/4W	F
R733	1-249-435-11	CARBON	33K	5%	1/4W	
R734	1-249-427-11	CARBON	6.8K	5%	1/4W	F
R737	1-249-429-11	CARBON	10K	5%	1/4W	
R738	1-249-424-11	CARBON	3.9K	5%	1/4W	F
R751	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R752	1-249-435-11	CARBON	33K	5%	1/4W	
R753	1-249-409-11	CARBON	220	5%	1/4W	F
R754	1-249-434-11	CARBON	27K	5%	1/4W	
R755	1-249-415-11	CARBON	680	5%	1/4W	F
⚠R756	1-249-409-11	CARBON	220	5%	1/4W	F
R757	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R758	1-249-433-11	CARBON	22K	5%	1/4W	
⚠R759	1-249-409-11	CARBON	220	5%	1/4W	F
R760	1-249-435-11	CARBON	33K	5%	1/4W	
R761	1-249-414-11	CARBON	560	5%	1/4W	F
R762	1-249-422-11	CARBON	2.7K	5%	1/4W	F

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MAIN | PRIMARY | SP SW | SP SW-A | SP SW-B | STAND-BY

Ref. No.	Part No.	Description				Remark
⚠R763	1-249-397-11	CARBON	22	5%	1/4W	F
R764	1-249-437-11	CARBON	47K	5%	1/4W	
R765	1-249-414-11	CARBON	560	5%	1/4W	F
⚠R766	1-249-397-11	CARBON	22	5%	1/4W	F
R767	1-249-421-11	CARBON	2.2K	5%	1/4W	F
⚠R768	1-249-393-11	CARBON	10	5%	1/4W	F
⚠R769	1-249-393-11	CARBON	10	5%	1/4W	F
⚠R770	1-233-352-21	ENCAPSULATED COMPONENT	0.22		2W	
R771	1-249-437-11	CARBON	47K	5%	1/4W	
R772	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R773	1-249-431-11	CARBON	15K	5%	1/4W	
⚠R774	1-249-393-11	CARBON	10	5%	1/4W	F
⚠R775	1-249-389-11	CARBON	4.7	5%	1/4W	F
R777	1-249-438-11	CARBON	56K	5%	1/4W	
R788	1-249-424-11	CARBON	3.9K	5%	1/4W	F
R801	1-249-423-11	CARBON	3.3K	5%	1/4W	F
⚠R802	1-249-409-11	CARBON	220	5%	1/4W	F
⚠R805	1-216-446-00	METAL OXIDE	18	5%	2W	F
R806	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R807	1-249-437-11	CARBON	47K	5%	1/4W	
⚠R808	1-249-405-11	CARBON	100	5%	1/4W	F
R950	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R951	1-249-429-11	CARBON	10K	5%	1/4W	
R952	1-249-423-11	CARBON	3.3K	5%	1/4W	F
R953	1-249-429-11	CARBON	10K	5%	1/4W	
R954	1-249-439-11	CARBON	68K	5%	1/4W	
R955	1-249-429-11	CARBON	10K	5%	1/4W	
R956	1-249-423-11	CARBON	3.3K	5%	1/4W	F
R957	1-249-417-11	CARBON	1K	5%	1/4W	F
R960	1-249-429-11	CARBON	10K	5%	1/4W	
		< RELAY >				
RY701	1-515-920-11	RELAY (24V)				
		< TERMINAL >				
TM001	1-537-240-51	TERMINAL BOARD (CHECKER PIN) (ANTENNA)				
TM701	1-537-376-11	TERMINAL BOARD (SP) (SPEAKERS)				
		< TUNER >				
TU001	1-233-307-11	ENCAPSULATED COMPONENT (FCC)				
**********						
*	1-656-007-11	PRIMARY BOARD				
		**********				
**********						

Ref. No.	Part No.	Description				Remark
*	1-656-000-11	SP SW BOARD				
		**********				
		< JACK >				
J741	1-750-733-11	JACK (LARGE TYPE) (PHONES)				
		< RESISTOR >				
R741	1-247-753-11	CARBON	1.2K	5%	1/2W	
R742	1-247-753-11	CARBON	1.2K	5%	1/2W	
R791	1-247-753-11	CARBON	1.2K	5%	1/2W	
R792	1-247-753-11	CARBON	1.2K	5%	1/2W	
		< SWITCH >				
S701	1-762-320-11	SWITCH, PUSH (2 KEY) (SPEAKERS ON/OFF)				
**********						
*	1-656-004-11	SP SW-A BOARD				
		**********				
**********						
*	1-656-005-11	SP SW-B BOARD				
		**********				
		< CONNECTOR >				
CNS702	1-770-482-11	CONNECTOR, BOARD TO BOARD 4P				
**********						
*	1-656-002-11	STAND-BY BOARD				
		**********				
		< CONNECTOR >				
CNJ902	1-540-057-11	OUTLET, AC (POLAR) (AC OUTLET)				
CNP901	1-564-321-00	PIN, CONNECTOR 2P				
CNS802	1-770-480-11	SOCKET, CONNECTOR PIN 4P				
		< DIODE >				
D816	8-719-987-63	DIODE 1N4148M				
		< FUSE >				
⚠F902	1-576-109-11	FUSE 5A 125V				
		< FUSE HOLDER >				
FH902	1-533-217-31	HOLDER, FUSE				
FH952	1-533-217-31	HOLDER, FUSE				
		< GROUND >				
G900	1-537-770-11	TERMINAL BOARD, GROUND				

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STAND-BY | STBY SW | TONE | TRANSFORMER | VOL

Ref.No.	Part No.	Description				Remark
		< RESISTOR >				
⚠R901	1-202-725-00	SOLID	3.3M	10%	1/2W	
		< RELAY >				
⚠RY901	1-515-720-11	RELAY				
		< TRANSFORMER >				
⚠T902	1-450-361-11	TRANSFORMER, POWER				
**********						
	1-656-317-11	STBY SW BOARD				
		**********				
		< SWITCH >				
S200	1-554-303-21	SWITCH, TACTILE (POWER)				
**********						
*	1-655-999-11	TONE BOARD				
		**********				
		< CAPACITOR >				
C421	1-137-440-11	FILM	0.018uF	5%	50V	
C422	1-124-463-00	ELECT	0.1uF	20%	50V	
C423	1-137-368-11	FILM	0.0047uF	5%	50V	
C424	1-137-372-11	FILM	0.022uF	5%	50V	
C471	1-137-440-11	FILM	0.018uF	5%	50V	
C472	1-124-463-00	ELECT	0.1uF	20%	50V	
C473	1-137-368-11	FILM	0.0047uF	5%	50V	
C474	1-137-372-11	FILM	0.022uF	5%	50V	
		< CONNECTOR >				
* CNP203	1-569-799-11	PLUG, CONNECTOR 5P				
CNS401	1-770-399-11	HOUSING, CONNECTOR(PC BOARD)6P				
		< DIODE >				
D207	8-719-313-72	LED	SEL6810A-TH12 (BASS BOOST)			
D208	8-719-313-72	LED	SEL6810A-TH12 (MUTING -20dB)			
		< RESISTOR >				
R210	1-249-435-11	CARBON	33K	5%	1/4W	
R421	1-249-430-11	CARBON	12K	5%	1/4W	
R422	1-249-422-11	CARBON	2.7K	5%	1/4W	F
R429	1-249-415-11	CARBON	680	5%	1/4W	F
R437	1-247-903-00	CARBON	1M	5%	1/4W	
R440	1-247-903-00	CARBON	1M	5%	1/4W	
R471	1-249-430-11	CARBON	12K	5%	1/4W	
R472	1-249-422-11	CARBON	2.7K	5%	1/4W	F
R479	1-249-415-11	CARBON	680	5%	1/4W	F
R487	1-247-903-00	CARBON	1M	5%	1/4W	
R490	1-247-903-00	CARBON	1M	5%	1/4W	
		< VARIABLE RESISTOR >				
RV421	1-223-362-11	RES, VAR, CARBON 100K/100K (BASS)				
RV422	1-223-363-11	RES, VAR, CARBON 125K/125K (TREBLE)				
RV423	1-223-880-11	RES, VAR, CARBON 100K/100K (BALANCE)				
		< SWITCH >				
S209	1-554-303-21	SWITCH, TACTILE (MUTING -20dB)				
S210	1-554-303-21	SWITCH, TACTILE (BASS BOOST)				
**********						
*	1-655-998-11	TRANSFORMER BOARD				
		**********				
		< CONNECTOR >				
CNP801	1-764-478-11	PIN, CONNECTOR (PC BOARD) 9P				
		< FUSE >				
⚠F801	1-576-107-11	FUSE 3.15A 250V				
⚠F802	1-576-107-11	FUSE 3.15A 250V				
		< FUSE HOLDER >				
FH801	1-533-217-31	HOLDER, FUSE				
FH802	1-533-217-31	HOLDER, FUSE				
FH851	1-533-217-31	HOLDER, FUSE				
FH852	1-533-217-31	HOLDER, FUSE				
**********						
*	A-4377-522-A	VOL BOARD, COMPLETE				
		**********				
		< CAPACITOR >				
C420	1-162-207-31	CERAMIC	22PF	5%	50V	
C425	1-126-096-11	ELECT	10uF	20%	35V	
C426	1-126-096-11	ELECT	10uF	20%	35V	
C427	1-124-252-00	ELECT	0.33uF	20%	50V	
C428	1-130-489-00	MYLAR	0.033uF	5%	50V	
C429	1-164-070-11	CERAMIC	100PF	5%	50V	
C430	1-126-301-11	ELECT	1uF	20%	50V	
C431	1-126-301-11	ELECT	1uF	20%	50V	
C432	1-126-096-11	ELECT	10uF	20%	35V	
C433	1-126-096-11	ELECT	10uF	20%	35V	
C470	1-162-207-31	CERAMIC	22PF	5%	50V	
C475	1-126-096-11	ELECT	10uF	20%	35V	
C476	1-126-096-11	ELECT	10uF	20%	35V	
C477	1-124-252-00	ELECT	0.33uF	20%	50V	
C478	1-130-489-00	MYLAR	0.033uF	5%	50V	

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VOL | VOL-M

Ref.No.	Part No.	Description				Remark
C479	1-164-070-11	CERAMIC	100PF	5%	50V	
C492	1-124-464-11	ELECT	0.22uF	20%	50V	
		< CONNECTOR >				
CNP202	1-770-391-11	PIN, CONNECTOR (PC BOARD) 7P				
CNP401	1-770-390-11	PIN, CONNECTOR (PC BOARD) 6P				
CNP403	1-770-406-11	CONNECTOR, BOARD TO BOARD 10P				
		< DIODE >				
D421	8-719-987-63	DIODE 1N4148M				
		< IC >				
IC404	8-759-636-74	IC M5218AP-22				
		< TRANSISTOR >				
Q401	8-729-202-67	TRANSISTOR 2SK246-GR3				
Q402	8-729-141-30	TRANSISTOR 2SC3623A-LK				
Q403	8-729-141-30	TRANSISTOR 2SC3623A-LK				
Q451	8-729-202-67	TRANSISTOR 2SK246-GR3				
Q452	8-729-141-30	TRANSISTOR 2SC3623A-LK				
Q453	8-729-141-30	TRANSISTOR 2SC3623A-LK				
		< RESISTOR >				
R425	1-249-428-11	CARBON	8.2K	5%	1/4W	F
R426	1-249-438-11	CARBON	56K	5%	1/4W	
R427	1-249-417-11	CARBON	1K	5%	1/4W	F
R428	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R430	1-249-437-11	CARBON	47K	5%	1/4W	
R431	1-249-423-11	CARBON	3.3K	5%	1/4W	F
R432	1-247-883-00	CARBON	150K	5%	1/4W	
R433	1-249-427-11	CARBON	6.8K	5%	1/4W	F
R434	1-249-412-11	CARBON	390	5%	1/4W	F
R436	1-249-441-11	CARBON	100K	5%	1/4W	
R438	1-249-441-11	CARBON	100K	5%	1/4W	
R441	1-249-441-11	CARBON	100K	5%	1/4W	
R444	1-247-903-00	CARBON	1M	5%	1/4W	
R446	1-247-807-31	CARBON	100	5%	1/4W	
R464	1-247-903-00	CARBON	1M	5%	1/4W	
R469	1-247-903-00	CARBON	1M	5%	1/4W	
R475	1-249-428-11	CARBON	8.2K	5%	1/4W	F
R476	1-249-438-11	CARBON	56K	5%	1/4W	
R477	1-249-417-11	CARBON	1K	5%	1/4W	F
R478	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R480	1-249-437-11	CARBON	47K	5%	1/4W	
R481	1-249-423-11	CARBON	3.3K	5%	1/4W	F
R482	1-247-883-00	CARBON	150K	5%	1/4W	
R483	1-249-427-11	CARBON	6.8K	5%	1/4W	F
R484	1-249-412-11	CARBON	390	5%	1/4W	F
R491	1-249-441-11	CARBON	100K	5%	1/4W	
R492	1-247-903-00	CARBON	1M	5%	1/4W	
R494	1-247-903-00	CARBON	1M	5%	1/4W	
R496	1-247-807-31	CARBON	100	5%	1/4W	
		< VARIABLE RESISTOR >				
RV404	1-223-882-11	RES, VAR 100K/100K (MASTER VOLUME)				
**********						
*	1-655-997-11	VOL-M CONNECT BOARD				
		**********				
		< CONNECTOR >				
CNS403	1-770-381-11	CONNECTOR, BOARD TO BOARD 10P				
CNS404	1-750-383-21	CONNECTOR, BOARD TO BOARD 11P				
**********						
		MISCELLANEOUS				
		**********				
6	1-773-742-11	WIRE (FLAT TYPE) (23 CORE)				
⚠60	1-769-743-11	CORD, POWER				
⚠F801	1-576-107-11	FUSE (3.15A 250V)				
⚠F802	1-576-107-11	FUSE (3.15A 250V)				
⚠F902	1-576-109-11	FUSE (5A 125V)				
FL201	1-517-141-11	INDICATOR TUBE, FLUORESCENT				
Q708	8-749-010-25	TRANSISTOR MN2488-OPY-M				
Q709	8-749-010-26	TRANSISTOR MP1620-OPY-M				
Q758	8-749-010-25	TRANSISTOR MN2488-OPY-M				
Q759	8-749-010-26	TRANSISTOR MP1620-OPY-M				
RV404	1-223-882-11	RES, VAR 100K/100K (MASTER VOLUME)				
⚠T901	1-427-879-11	TRANSFORMER, POWER (US)				
⚠T901	1-427-936-11	TRANSFORMER, POWER (CND)				
**********						
		ACCESSORIES & PACKING MATERIALS				
		**********				
	1-473-072-11	COMMANDER, STANDARD (RM-U253)				
	1-501-374-11	ANTENNA, LOOP				
	3-798-811-21	MANUAL, INSTRUCTION (ENGLISH)				
	3-798-811-31	MANUAL, INSTRUCTION (FRENCH) (CND)				
	4-941-762-01	COVER (MLY), BATTERY (for RM-U253)				
*	4-952-676-01	CUSHION				
*	4-974-622-01	INDIVIDUAL CARTON				
**********						

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark
		********** HARDWARE LIST **********	
#1	7-682-548-09	SCREW +BVTT 3X8 (S)	
#2	7-682-548-04	SCREW +BVTT 3X8 (S)	
#3	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S	
#4	7-621-849-00	SCREW, TAPPING	
#5	7-682-560-04	SCREW +BVTT 4X6 (S)	

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Consumer A&V Products Company
Home A&V Products Div.

STR-D365

SONY

SERVICE MANUAL

US Model
Canadian Model

SUPPLEMENT-1

File this supplement with the service manual.

Subject : CIRCUIT CHANGED

(ECN-TA503934)

1. Circuit changed

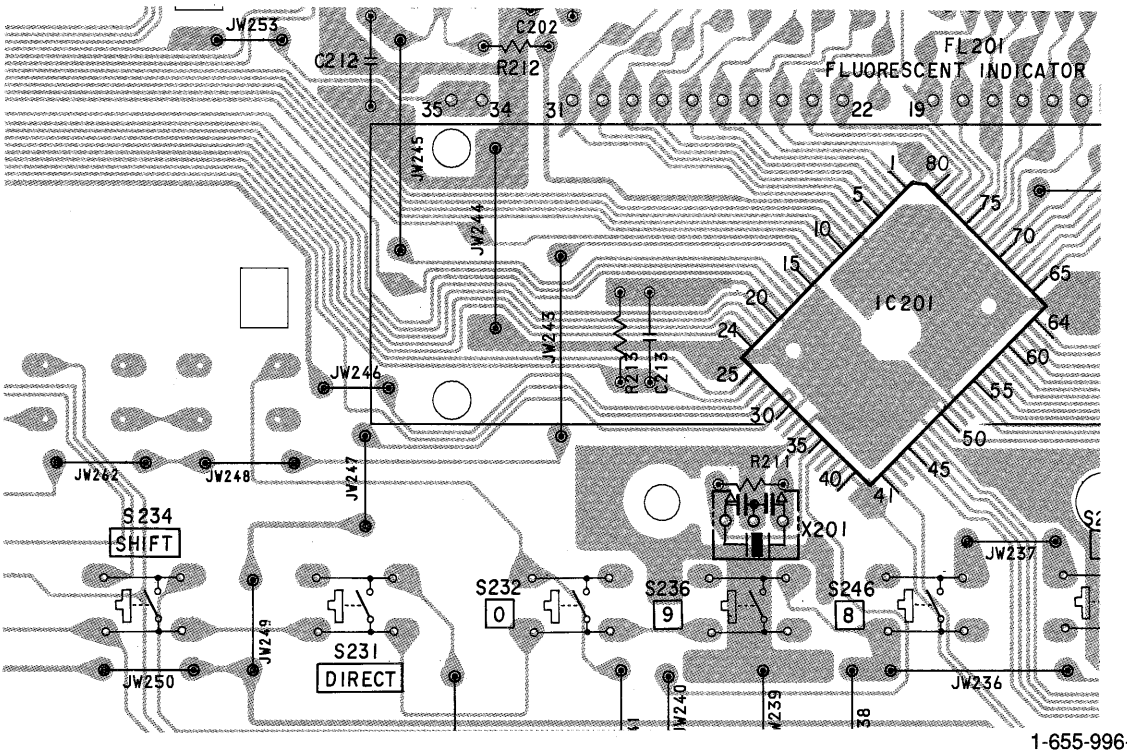
PARTS LIST

Page	FORMER				NEW			
	Ref.No	Part No	Description	Remark	Ref.No	Part No	Description	Remark
35			** MAIN BOARD **				** MAIN BOARD **	
	C414	1-161-494-00	CERAMIC 0.22uF	25V			———	

☛ : Indicates changed portion

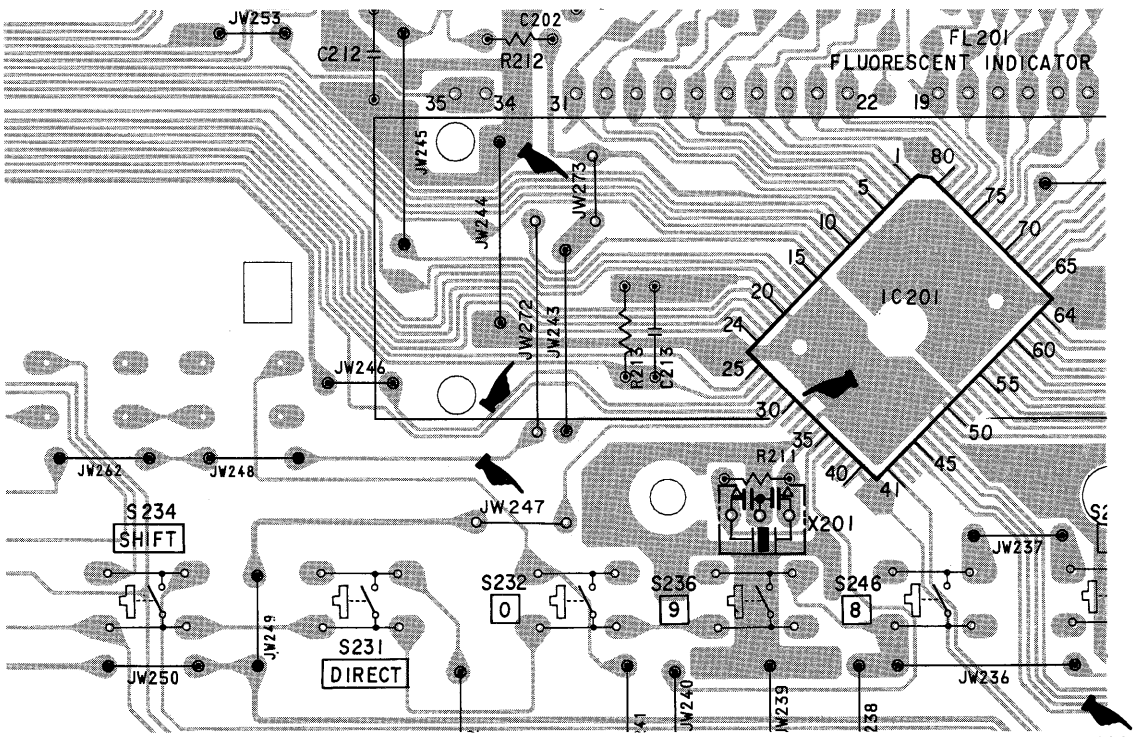
PRINTED WIRING BOARD

Page	FORMER
23	【DISPLAY BOARD】 Location : C-10



1-655-996-11 (11)

NEW

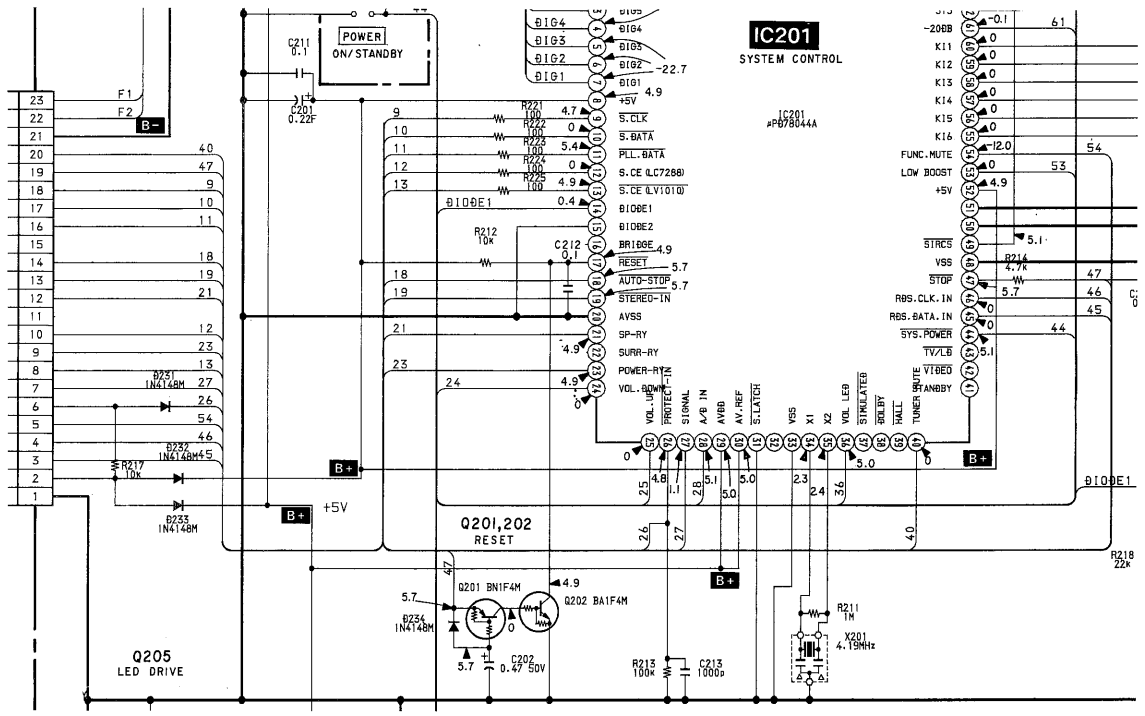


1-655-996-11 (13)

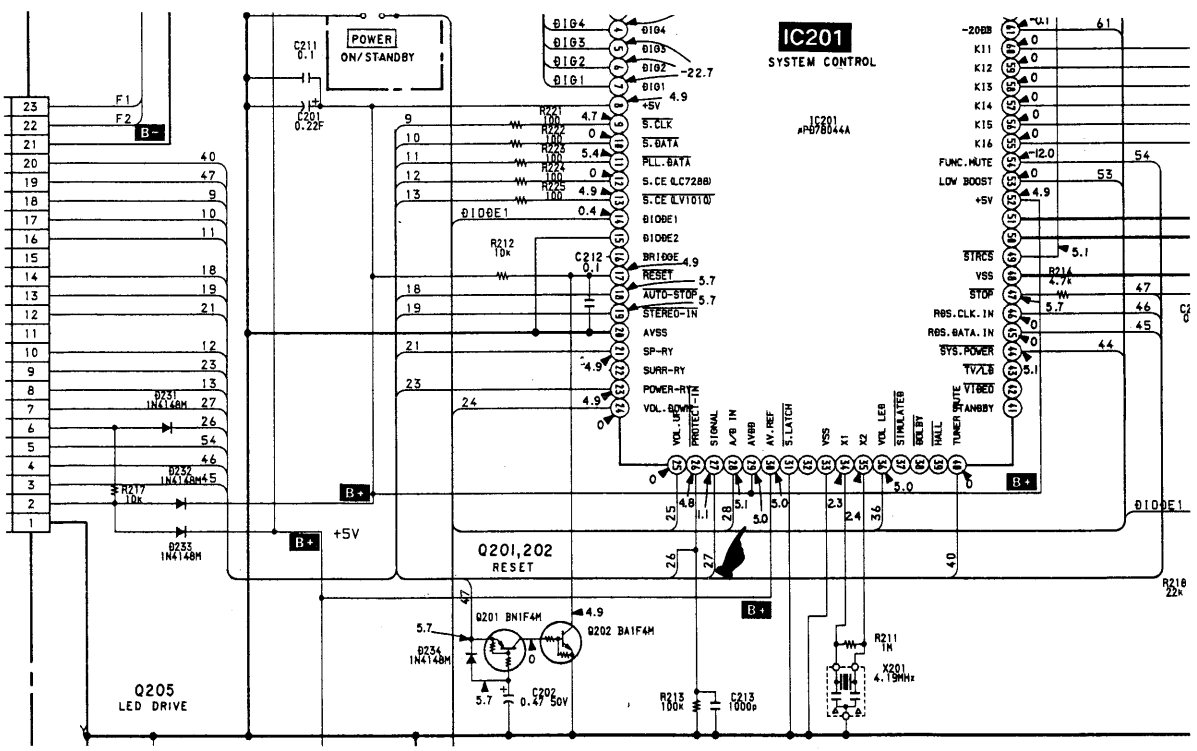
☛ : **Indicates changed portion**

SCHEMATIC DIAGRAM

Page	FORMER
25	【DISPLAY BOARD】 Location : G-6



NEW



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